Printing date 16.07.2021

CHEMICALS, INC.

Revision: 16.07.2021

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| · Trade name: 2·                                                                                                                                                                                                                                                                           | Cyano-2-pentylbenzodithiolate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               |
| • Item number:                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
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|                                                                                                                                                                                                                                                                                            | entified uses of the substance or mixture and uses advised against pant information available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |
|                                                                                                                                                                                                                                                                                            | ne supplier of the safety data sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |
| • Manufacturer/<br>Strem Chemica                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
| 7 Mulliken Way                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
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| info@strem.com                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
|                                                                                                                                                                                                                                                                                            | ation obtainable from: Technical Department                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |
|                                                                                                                                                                                                                                                                                            | <i>telephone number:</i><br><i>CHEMTREC:</i> + 1 (800) 424-9300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |
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| <b>SECTION 2</b>                                                                                                                                                                                                                                                                           | Hazards identification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |
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| · Classification a                                                                                                                                                                                                                                                                         | according to Regulation (EC) No 1272/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |
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| Chin Innit 2 113                                                                                                                                                                                                                                                                           | 15 Causes skin irritation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |
|                                                                                                                                                                                                                                                                                            | 15 Causes skin irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |
|                                                                                                                                                                                                                                                                                            | 19 Causes serious eye irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |
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| STOT SE 3 H3                                                                                                                                                                                                                                                                               | 35 May cause respiratory irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |
| <i>STOT SE 3 H3</i><br>• <b>2.2 Label elem</b>                                                                                                                                                                                                                                             | 35 May cause respiratory irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |
| STOT SE 3 H3<br>• 2.2 Label eleme<br>• Labelling accord                                                                                                                                                                                                                                    | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |
| STOT SE 3 H3<br>• 2.2 Label eleme<br>• Labelling accord                                                                                                                                                                                                                                    | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling accor<br>The substance i                                                                                                                                                                                                                  | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling accor<br>The substance i                                                                                                                                                                                                                  | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling accor<br>The substance i                                                                                                                                                                                                                  | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling accor<br>The substance i                                                                                                                                                                                                                  | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |
| STOT SE 3 H3<br>• 2.2 Label eleme<br>• Labelling account<br>The substance i<br>• Hazard pictogr                                                                                                                                                                                            | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.<br>ams                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               |
| STOT SE 3 H3<br>• 2.2 Label eleme<br>• Labelling account<br>The substance i<br>• Hazard pictogr<br>GHS07<br>• Signal word Wa<br>• Hazard-determ                                                                                                                                            | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.<br>ams<br>urning<br>ining components of labelling:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling account<br>The substance i<br>• Hazard pictogr<br>GHS07<br>• Signal word Wa<br>• Hazard-determ<br>2-Cyano-2-pent                                                                                                                          | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.<br>ams<br>urning<br>ining components of labelling:<br>ylbenzodithiolate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling account<br>The substance i<br>• Hazard pictogr<br>• GHS07<br>• Signal word Wa<br>• Hazard-determ<br>2-Cyano-2-pent<br>• Hazard statemed                                                                                                   | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.<br>ams<br>arrning<br>ining components of labelling:<br>tylbenzodithiolate<br>ents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling according<br>The substance i<br>• Hazard pictogr<br>• GHS07<br>• Signal word Wa<br>• Hazard-determ<br>2-Cyano-2-pent<br>• Hazard statement<br>H315 Causes st                                                                              | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.<br>ams<br>arrning<br>ining components of labelling:<br>tylbenzodithiolate<br>ents<br>kin irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling accord<br>The substance i<br>• Hazard pictogr<br>• GHS07<br>• Signal word Wa<br>• Hazard-determ<br>2-Cyano-2-pend<br>• Hazard statement<br>H315 Causes shows a statement<br>H319 Causes so                                                | 35 May cause respiratory irritation.<br>ents<br>rding to Regulation (EC) No 1272/2008<br>s classified and labelled according to the CLP regulation.<br>ams<br>arrning<br>ining components of labelling:<br>tylbenzodithiolate<br>ents                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling accord<br>The substance i<br>• Hazard pictogr<br>• GHS07<br>• Signal word Wa<br>• Hazard-determ<br>2-Cyano-2-pent<br>• Hazard statement<br>H315 Causes si<br>H319 Causes so<br>H335 May caus<br>• Precautionary                           | 35 May cause respiratory irritation.<br>2015<br>2017<br>2018<br>2018<br>2018<br>2018<br>2018<br>2018<br>2018<br>2018<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019<br>2019 |               |
| STOT SE 3 H3<br>• 2.2 Label elema<br>• Labelling accord<br>The substance i<br>• Hazard pictogr<br>• GHS07<br>• Signal word Wa<br>• Hazard-determ<br>2-Cyano-2-pent<br>• Hazard statement<br>H315 Causes si<br>H319 Causes se<br>H335 May caus<br>• Precautionary se                        | 35 May cause respiratory irritation.<br>25 May cause respiratory irritation.<br>26 And 27 And 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |
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## HEMICALS, INC.

## Safety data sheet according to 1907/2006/EC, Article 31

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#### Trade name: 2-Cyano-2-pentylbenzodithiolate

|                | (Contd. of page 1)                                                                     |
|----------------|----------------------------------------------------------------------------------------|
| P231           | Handle under inert gas.                                                                |
| P235           | Keep cool.                                                                             |
| P305+P351+P338 | TF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if |
|                | present and easy to do. Continue rinsing.                                              |
| P403+P233      | Store in a well-ventilated place. Keep container tightly closed.                       |
| P410           | Protect from sunlight.                                                                 |
| P501           | Dispose of contents/container in accordance with local/regional/national/international |
|                | regulations.                                                                           |
|                |                                                                                        |

 $\cdot$  2.3 Other hazards

· Results of PBT and vPvB assessment

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

### **SECTION 3: Composition/information on ingredients**

· 3.1 Chemical characterisation: Substances

· CAS No. Description

1823273-83-1 2-Cyano-2-pentylbenzodithiolate

## **SECTION 4: First aid measures**

- · 4.1 Description of first aid measures
- · After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## **SECTION 5: Firefighting measures**

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

## **SECTION 6: Accidental release measures**

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- 6.2 Environmental precautions: Do not allow to enter sewers/surface or ground water.

• **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

## **SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling No special precautions are necessary if used correctly. • Information about fire - and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:

Keep cool.

Protect from sunlight.

- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- Recommended storage temperature: Store at temperatures not exceeding -18 °C. Keep cool.
- · 7.3 Specific end use(s) No further relevant information available.

#### **SECTION 8: Exposure controls/personal protection**

- Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

• Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation • Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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CHEMICALS, INC.

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| nde name: 2-Cyano-2-pentylbenzodithiola    | te                                            |               |
|--------------------------------------------|-----------------------------------------------|---------------|
|                                            |                                               | (Contd. of pa |
| · Eye protection:                          |                                               |               |
|                                            |                                               |               |
| Tightly sealed goggles                     |                                               |               |
|                                            |                                               |               |
|                                            |                                               |               |
| • 9.1 Information on basic physical and ch | nemical properties                            |               |
| • General Information<br>• Appearance:     |                                               |               |
| Form:                                      | Liquid                                        |               |
| Colour:                                    | Dark red                                      |               |
| · Odour:                                   | Like rotten eggs (mercaptans)                 |               |
| · Odour threshold:                         | Not determined.                               |               |
| · pH-value:                                | Not determined.                               |               |
| · Change in condition                      |                                               |               |
| Melting point/freezing point:              | Undetermined.                                 |               |
| Initial boiling point and boiling range:   | Undetermined.                                 |               |
| · Flash point:                             | Not applicable.                               |               |
| · Flammability (solid, gas):               | Not determined.                               |               |
| · Ignition temperature:                    |                                               |               |
| Decomposition temperature:                 | Not determined.                               |               |
| · Auto-ignition temperature:               | Not determined.                               |               |
| · Explosive properties:                    | Product does not present an explosion hazard. |               |
| · Explosion limits:                        |                                               |               |
| Lower:                                     | Not determined.                               |               |
| Upper:                                     | Not determined.                               |               |
| · Vapour pressure:                         | Not determined.                               |               |
| · Density:                                 | Not determined.                               |               |
| · Relative density                         | Not determined.                               |               |
| · Vapour density                           | Not determined.                               |               |
| · Evaporation rate                         | Not determined.                               |               |
| · Solubility in / Miscibility with         |                                               |               |
| water:                                     | Not miscible or difficult to mix.             |               |
| · Partition coefficient: n-octanol/water:  | Not determined.                               |               |
| · Viscosity:                               |                                               |               |
| Dynamic:                                   | Not determined.                               |               |
| Kinematic:                                 | Not determined.                               |               |
| · Solvent content:                         |                                               |               |
| Organic solvents:                          | 0.0 %                                         |               |
| VOC (EC)                                   | 0.00 %                                        |               |
| • 9.2 Other information                    | No further relevant information available.    |               |

## SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

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- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

## **SECTION 11: Toxicological information**

- · 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.
- · Primary irritant effect:
- · Skin corrosion/irritation
- Causes skin irritation.
- · Serious eye damage/irritation
- Causes serious eye irritation.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure
- May cause respiratory irritation.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

## **SECTION 12: Ecological information**

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

## **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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Trade name: 2-Cyano-2-pentylbenzodithiolate

· Uncleaned packaging:

• **Recommendation:** Disposal must be made according to official regulations.

| <b>SECTION 14: Transport informat</b>                              | tion                         |  |
|--------------------------------------------------------------------|------------------------------|--|
| 14.1 UN-Number<br>ADR, ADN, IMDG, IATA                             | not regulated                |  |
| 14.2 UN proper shipping name<br>ADR, ADN, IMDG, IATA               | not regulated                |  |
| 14.3 Transport hazard class(es)                                    |                              |  |
| ADR, ADN, IMDG, IATA<br>Class                                      | not regulated                |  |
| 14.4 Packing group<br>ADR, IMDG, IATA                              | not regulated                |  |
| 14.5 Environmental hazards:<br>Marine pollutant:                   | No                           |  |
| 14.6 Special precautions for user                                  | Not applicable.              |  |
| 14.7 Transport in bulk according to Ann<br>Marpol and the IBC Code | nex II of<br>Not applicable. |  |
| UN "Model Regulation":                                             | not regulated                |  |

## **SECTION 15: Regulatory information**

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

• REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· National regulations:

• Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Technical Department.

· Contact: Technical Director

• Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic

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#### Trade name: 2-Cyano-2-pentylbenzodithiolate

vPvB: very Persistent and very Bioaccumulative Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 (Contd. of page 6)

GB

