Printing date 07/16/2021

Reviewed on 07/16/2021

1 Identification

- · Product name
- · Trade name: Dimethylphenylphosphine, 99%
- Item number: 15-1400
- · CAS Number:
- 672-66-2
- *EC number*:
- 211-595-3
- Details of the supplier of the safety data sheet
 Manufacturer/Supplier: Strem Chemicals, Inc.
 7 Mulliken Way NEWBURYPORT, MA 01950
- USA info@strem.com
- · Information department: Technical Department
- Emergency telephone number: EMERGENCY: CHEMTREC: + 1 (800) 424-9300 During normal opening times: +1 (978) 499-1600

2 Hazard(s) identification

· Classification of the substance or mixture

GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



Skin Irrit. 2H315Causes skin irritation.Eye Irrit. 2AH319Causes serious eye irritation.STOT SE 3H335May cause respiratory irritation.

· Label elements

· GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS). • *Hazard pictograms*



· Signal word Warning

• Hazard-determining components of labeling: Dimethylphenylphosphine, 99%

Hazard statements
 H226 Flammable liquid and vapor.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

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	rade name: Dimethylphenylphosphine, 99%		
	(Contd. of page		
H335 May caus	e respiratory irritation.		
· Precautionary s			
P231	Handle under inert gas.		
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.		
P305+P351+P.	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if prese		
	and easy to do. Continue rinsing.		
P403+P233	Store in a well-ventilated place. Keep container tightly closed.		
P422	Store contents under inert gas.		
P501	Dispose of contents/container in accordance with local/regional/national/internation		
· Classification s	regulations.		
· NFPA ratings (
1,11111 ann 45 (
	lealth = 1		
	ire = 2		
	eactivity = 0		
· HMIS-ratings (scale (0 - 4)		
	Health = 1		
	Fire = 2		
REACTIVITY 0	Reactivity = 0		
• Other hazards			
	and vPvB assessment		
• FDI: NOT ADDIN			
 • PBT: Not appli • vPvB: Not appli 			
• vPvB: Not appl			
• vPvB: Not appl. 3 Composition.	icable. /information on ingredients		
• vPvB: Not appl. 3 Composition, • Chemical chara	icable. / <mark>information on ingredients</mark> ucterization: Substances		
• vPvB: Not appl. 3 Composition, • Chemical chard • CAS No. Descri	icable. / <mark>information on ingredients</mark> ucterization: Substances iption		
• vPvB: Not appl 3 Composition • Chemical chard • CAS No. Descr 672-66-2 Dimet	icable. /information on ingredients acterization: Substances iption hylphenylphosphine, 99%		
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• vPvB: Not appl. 3 Composition, • Chemical chara • CAS No. Descr. 672-66-2 Dimet • Identification n • EC number: 21 4 First-aid med • Description of f • General inform • After inhalation • After skin conta • After sye conta Rinse opened ey • After swallowin • Information for	icable. /information on ingredients interization: Substances iption hylphenylphosphine, 99% umber(s) 1-595-3 ISURES Tirst aid measures ation: Immediately remove any clothing soiled by the product. I: In case of unconsciousness place patient stably in side position for transportation. ict: Immediately wash with water and soap and rinse thoroughly. ct: te for several minutes under running water. If symptoms persist, consult a doctor. g: If symptoms persist consult doctor. • doctor:		
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• vPvB: Not appl. 3 Composition, • Chemical chara • CAS No. Descr. 672-66-2 Dimet • Identification n • EC number: 21 4 First-aid med • Description of f • General inform • After inhalation • After skin conta • After eye contau Rinse opened ey • After swallowin • Information for • Most important • Indication of an	icable. <i>(information on ingredients</i> <i>icterization: Substances</i> <i>iption</i> <i>hylphenylphosphine, 99%</i> <i>umber(s)</i> 1-595-3 <i>(substances)</i> <i>ist aid measures</i> <i>ation: Inmediately remove any clothing soiled by the product.</i> <i>(support in case of unconsciousness place patient stably in side position for transportation.</i> <i>(support in case of unconsciousness place patient stably in side position for transportation.</i> <i>(support in case of unconsciousness place patient stably in side position for transportation.</i> <i>(support in case of unconsciousness place patient stably in side position for transportation.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in symptoms persist consult doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in symptoms persist consult doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms persist, consult a doctor.</i> <i>(support in several minutes under running water. If symptoms</i>		
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5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- \cdot For safety reasons unsuitable extinguishing agents: Water with full jet
- $\cdot \textit{Special hazards arising from the substance or mixture No further relevant information available}.$
- · Advice for firefighters
- · Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Prevent seepage into sewage system, workpits and cellars.
- *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.
- Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.
- Protective Action Criteria for Chemicals
- · PAC-1:

Substance is not listed.

· PAC-2:

Substance is not listed.

· PAC-3:

Substance is not listed.

7 Handling and storage

- · Handling: Handle under inert gas.
- Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.
- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- · Conditions for safe storage, including any incompatibilities
- · Storage: Store contents under inert gas.
- 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 receptacle tightly sealed.
- *Specific end use(s) No further relevant information available.*

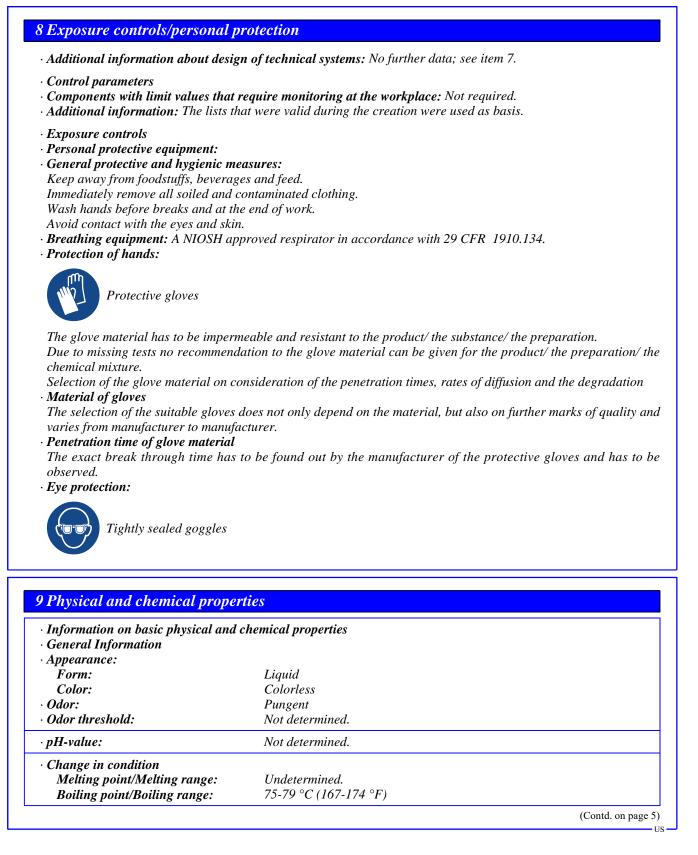
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	(Contd. of page
Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not determined.
· Ignition temperature:	
Decomposition temperature:	Not determined.
Auto igniting:	Not determined.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapo mixtures are possible.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not determined.
• Density at 20 •C (68 •F):	0.967 g/cm ³ (8.06962 lbs/gal)
Relative density	Not determined.
· Vapor density	Not determined.
• Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/wa	ter): Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
VOC content:	0.0 g/l / 0.00 lb/gl
• Other information	No further relevant information available.

10 Stability and reactivity

· Reactivity No further relevant information available.

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

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.

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- Additional toxicological information:
- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)
- Substance is not listed.

·NTP (National Toxicology Program)

Substance is not listed.

· OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes: Not known to be hazardous to water.
- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

· Waste treatment methods

· Recommendation:

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

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

· UN-Number		
· DOT, IMDG, IATA	UN1993	
· UN proper shipping name		
· DOT	Flammable liquids, n.o.s.	
· IMDG, IATA	FLAMMABLÊ LIQUID, N.O.S.	
· Transport hazard class(es) · DOT		
PLAMARE LOAD		
· Class	3 Flammable liquids	

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Label	3
IMDG, IATA	
3	
Class	3 Flammable liquids
Label	3
Packing group	
DOT, IMDG, IATA	III
Environmental hazards:	
Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
EMS Number:	<i>F-E</i> , <u><i>S-E</i></u>
Stowage Category	Α
Transport in bulk according to Annex	
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: 60 L
	On cargo aircraft only: 220 L
IMDG	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
UN ''Model Regulation'':	UN 1993 FLAMMABLE LIQUIDS, N.O.S., 3, III

15 Regulatory information

 \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot Sara

• Section 355 (extremely hazardous substances):

Substance is not listed.

· Section 313 (Specific toxic chemical listings):

Substance is not listed.

· TSCA (Toxic Substances Control Act):

Substance is not listed.

· Proposition 65

· Chemicals known to cause cancer:

Substance is not listed.

· Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

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- · Chemicals known to cause reproductive toxicity for males:
- Substance is not listed.
- · Chemicals known to cause developmental toxicity:
- Substance is not listed.
- · Carcinogenic categories
- · EPA (Environmental Protection Agency)
- Substance is not listed.
- TLV (Threshold Limit Value established by ACGIH)
- Substance is not listed.
- · NIOSH-Ca (National Institute for Occupational Safety and Health)
- Substance is not listed.
- · GHS label elements
- The substance is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



- · Signal word Warning
- · Hazard-determining components of labeling: Dimethylphenylphosphine, 99% · Hazard statements H226 Flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. · Precautionary statements P231 Handle under inert gas. P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. P305+P351+P338 If 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. P422 Store contents under inert gas. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. · Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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
- · Date of preparation / last revision 07/16/2021 / -
- 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

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DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit Flam. Liq. 3: Flammable liquids – Category 3 Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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