Printing date 07/20/2021

Reviewed on 07/20/2021

1 Identification

- · Product name
- · Trade name: Dimethyldiethoxysilane, 97%
- Item number: 93-1406
- · CAS Number:
- 78-62-6
- *EC number:* 201-127-6
- 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. 2 H225 Highly 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 Danger

 Hazard-determining components of labeling: Diethoxydimethylsilane
 Hazard statements

H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation.

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	hyldiethoxysilane, 97%
	(Contd. of page
	e respiratory irritation.
· Precautionary s	
P231	Handle under inert gas.
P210 P301+P310	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
	IF SWALLOWED: Immediately call a POISON CENTER/ doctor. 338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if prese
1505 11551 11.	and easy to do. Continue rinsing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/internation
	regulations.
· Classification s	vstem:
· NFPA ratings (scale 0 - 4)
A H	ealth = 1
	real = 3
	eactivity = 0
	·
· HMIS-ratings (scale 0 - 4)
HEALTH 1	Health = 1
	Fire = 3
	Reactivity = 0
	•
• Other hazards	
	and vPvB assessment
· PBT: Not appli	cable.
"D. D. Not ann!	
• vPvB: Not appl	
• vPvB: Not apple	
3 Composition	cable. (information on ingredients
3 Composition, • Chemical charc	cable. /information on ingredients /cterization: Substances
3 Composition, · Chemical chard · CAS No. Descri	cable. /information on ingredients cterization: Substances ption
3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Diethos	cable. finformation on ingredients cterization: Substances ption cydimethylsilane
3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Dietho: • Identification n	cable. /information on ingredients /cterization: Substances /ption /ydimethylsilane /umber(s)
3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Diethos	cable. /information on ingredients /cterization: Substances /ption /ydimethylsilane /umber(s)
3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Diethos • Identification n • EC number: 20	cable. /information on ingredients ccterization: Substances ption ydimethylsilane umber(s) 1-127-6
3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Dietho: • Identification n	cable. /information on ingredients ccterization: Substances ption ydimethylsilane umber(s) 1-127-6
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3 Composition, • Chemical chard • CAS No. Descrive 78-62-6 Diethos • Identification n • EC number: 20 4 First-aid med • Description of J	cable. finformation on ingredients cterization: Substances ption cydimethylsilane umber(s) 1-127-6 Issures irst aid measures
3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Diethos • Identification n • EC number: 20 4 First-aid med • Description of f • General inform	cable. <i>(information on ingredients)</i> cterization: Substances ption ydimethylsilane umber(s) 1-127-6 <i>(SUTES)</i> <i>Trst aid measures</i> ation: Immediately remove any clothing soiled by the product.
3 Composition, • Chemical chara • CAS No. Descri 78-62-6 Diethos • Identification n • EC number: 20 4 First-aid mea • Description of f • General inform • After inhalation	cable. finformation on ingredients cterization: Substances ption ydimethylsilane umber(s) 1-127-6 SUTES Tirst aid measures ation: Immediately remove any clothing soiled by the product. :: In case of unconsciousness place patient stably in side position for transportation.
3 Composition, • Chemical chara • CAS No. Descri 78-62-6 Dietho: • Identification n • EC number: 20 4 First-aid mea • Description of J • General inform • After inhalation • After skin conta	cable. cinformation on ingredients cterization: Substances ption ydimethylsilane umber(s) 1-127-6 tsures Tirst aid measures ation: Immediately remove any clothing soiled by the product. :: In case of unconsciousness place patient stably in side position for transportation. :: In case of unconsciousness place patient stably in side position for transportation. :: In mediately wash with water and soap and rinse thoroughly.
3 Composition, • Chemical chara • CAS No. Descri 78-62-6 Dietho: • Identification n • EC number: 20 4 First-aid mea • Description of f • General inform • After inhalation • After skin conta • After eye conta	cable. cinformation on ingredients cterization: Substances ption ydimethylsilane umber(s) 1-127-6 SUIPS Tirst aid measures ation: Immediately remove any clothing soiled by the product. :: In case of unconsciousness place patient stably in side position for transportation. :: In case of unconsciousness place patient stably in side position for transportation. :: In mediately wash with water and soap and rinse thoroughly. :: In case of unconsciousness place patient stably in side position for transportation.
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3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Dietho: • Identification n • EC number: 20 4 First-aid med • Description of f • General inform • After inhalation • After skin conta • Rinse opened ey • After swallowin	cable. finformation on ingredients cterization: Substances ption ydimethylsilane umber(s) 1-127-6 Sures first aid measures ation: Immediately remove any clothing soiled by the product. I: In case of unconsciousness place patient stably in side position for transportation. to: Immediately wash with water and soap and rinse thoroughly. t: e for several minutes under running water. If symptoms persist, consult a doctor. g: If symptoms persist consult doctor.
3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Dietho: • Identification n • EC number: 20 4 First-aid med • Description of f • General inform • After inhalation • After skin conta • After sy conta Rinse opened ey • After swallowin • Information for	cable. cinformation on ingredients citerization: Substances ption ydimethylsilane umber(s) 1-127-6 Sures citerization: Immediately remove any clothing soiled by the product. :: In case of unconsciousness place patient stably in side position for transportation. cit: Immediately wash with water and soap and rinse thoroughly. cit: e for several minutes under running water. If symptoms persist, consult a doctor. g: If symptoms persist consult doctor. doctor:
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3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Dietho: • Identification n • EC number: 20 4 First-aid med • Description of f • General inform • After skin conta • After skin conta • After skin conta • After swallowin • Information for • Most important • Indication of a	cable. cinformation on ingredients citerization: Substances ption ydimethylsilane umber(s) 1-127-6 Sures irst aid measures ation: Immediately remove any clothing soiled by the product. :: In case of unconsciousness place patient stably in side position for transportation. cit: Inmediately wash with water and soap and rinse thoroughly. :: e for several minutes under running water. If symptoms persist, consult a doctor. g: If symptoms persist consult doctor. doctor: symptoms and effects, both acute and delayed No further relevant information available.
3 Composition, • Chemical chard • CAS No. Descri 78-62-6 Dietho: • Identification n • EC number: 20 4 First-aid med • Description of f • General inform • After skin conta • After skin conta • After skin conta • After swallowin • Information for • Most important • Indication of a	cable. cinformation on ingredients citerization: Substances ption ydimethylsilane umber(s) 1-127-6 tsures tsures ation: Immediately remove any clothing soiled by the product. Is: In case of unconsciousness place patient stably in side position for transportation. tsure: Immediately wash with water and soap and rinse thoroughly. t: e for several minutes under running water. If symptoms persist, consult a doctor. g: If symptoms persist consult doctor. doctor: symptoms and effects, both acute and delayed No further relevant information available. by immediate medical attention and special treatment needed

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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
- 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: 2.8 ppm • PAC-2: 31 ppm • PAC-3: 180 ppm

7 Handling and storage

· Handling:

- *Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. 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:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

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· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

- · Control parameters
- Components with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists that were valid during the creation were used as basis.
- · 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.
- Breathing equipment: A NIOSH approved respirator in accordance with 29 CFR 1910.134.
- · 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 \cdot *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.

• Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

- · Information on basic physical and chemical properties
- · General Information
- · Appearance:
- Form:LiquidColor:Colorless• Odor:Alcohol-like• Odor threshold:Not determined.

• *pH-value:* Not determined.

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Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	114-115 °C (237-239 °F)
Flash point:	12 °C (54 °F)
Flammability (solid, gaseous):	Not determined.
Ignition temperature:	260 °C (500 °F)
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 at 13 $^{\circ}C$ (55 $^{\circ}F$):	11 hPa (8 mm Hg)
<i>Density at 20 °C (68 °F):</i>	0.84 g/cm³ (7.0098 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/wate	r r): 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.

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11 Toxicological information

- · Information on toxicological effects
- Acute toxicity:
- · LD/LC50 values that are relevant for classification:
- 78-62-6 Diethoxydimethylsilane
- Oral LD50 9280 mg/kg (rat)
- · Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- · 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.

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Transport information	
UN-Number DOT, IMDG, IATA	UN2380
UN proper shipping name DOT IMDG, IATA	Dimethyldiethoxysilane DIMETHYLDIETHOXYSILANE
Transport hazard class(es)	
DOT	
RAMARIE LOUD	
Class Label	3 Flammable liquids 3
IMDG, IATA	
Class	3 Flammable liquids
Label	3
Packing group DOT, IMDG, IATA	II
Environmental hazards: Marine pollutant:	No
Special precautions for user	Warning: Flammable liquids
Danger code (Kemler): EMS Number:	33 F-E,S-D
Stowage Category	B
Transport in bulk according to Annex 1	II of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information: DOT	
Quantity limitations	On passenger aircraft/rail: 5 L
	On cargo aircraft only: 60 L
IMDG	1L
Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml

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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 listed.

· Proposition 65

· Chemicals known to cause cancer:

Substance is not listed.

· Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

· 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.

 \cdot 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 Danger

Hazard-determining components of labeling: Diethoxydimethylsilane
Hazard statements H225 Highly 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.

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Safety Data Sheet according to OSHA HCS

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ade name: Dimethyldiethoxysilane, 97%		
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P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.	
P305+P351+I	2338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present	
1000 11001 11	and easy to do. Continue rinsing.	
D402 . D222		
P403+P233	Store in a well-ventilated place. Keep container tightly closed.	
P501	Dispose of contents/container in accordance with local/regional/national/international	
	regulations.	
· Chemical safe	ty assessment: A Chemical Safety Assessment has not been carried out.	
Other inform	nation	
	on is based on our present knowledge. However, this shall not constitute a guarantee for any et features and shall not establish a legally valid contractual relationship.	
Department is	suing SDS: Technical Department.	
Contact: Tech	5	
	ation / last revision 07/20/2021 / -	
· Abbreviations		
	opéen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International	
	rous Goods by Road)	
	al Maritime Code for Dangerous Goods	
DOT: US Departn		
TATA . I	ent of Transportation	
	I Air Transport Association	
ACGIH: American	al Air Transport Association Conference of Governmental Industrial Hygienists	
ACGIH: American EINECS: Europea	al Air Transport Association Conference of Governmental Industrial Hygienists n Inventory of Existing Commercial Chemical Substances	
ACGIH: American EINECS: Europea CAS: Chemical Ab	al Air Transport Association Conference of Governmental Industrial Hygienists n Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society)	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F	al Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA)	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous	al Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA)	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org	al Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU)	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LC50: Lethal conc	al Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LC50: Lethal conc LD50: Lethal dose	al Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LCS0: Lethal conc LD50: Lethal dose PBT: Persistent, B	Il Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent , 50 percent	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LC50: Lethal conc LD50: Lethal dose PBT: Persistent, B vPvB: very Persist	Il Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent , 50 percent ioaccumulative and Toxic	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LC50: Lethal conc LD50: Lethal dose PBT: Persistent, B vPvB: very Persist NIOSH: National	Il Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent ioaccumulative and Toxic ent and very Bioaccumulative	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LC50: Lethal conc LD50: Lethal dose PBT: Persistent, B vPvB: very Persist NIOSH: National	Il Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent , 50 percent ioaccumulative and Toxic ent and very Bioaccumulative Institute for Occupational Safety and Safety & Health	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LC50: Lethal conc LD50: Lethal dose PBT: Persistent, B vPvB: very Persist NIOSH: National OSHA: Occupatio	Il Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) antic Compounds (USA, EU) entration, 50 percent , 50 percent ioaccumulative and Toxic ent and very Bioaccumulative Institute for Occupational Safety nal Safety & Health mit Value	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LC50: Lethal conc LD50: Lethal dose PBT: Persistent, B vPvB: very Persist NIOSH: National OSHA: Occupatio TLV: Threshold Li PEL: Permissible REL: Recommende	Il Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent , 50 percent ioaccumulative and Toxic ent and very Bioaccumulative Institute for Occupational Safety hal Safety & Health mit Value Exposure Limit ed Exposure Limit	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LCS0: Lethal conc LD50: Lethal dose PBT: Persistent, B vPvB: very Persist NIOSH: National I OSHA: Occupatio TLV: Threshold Li PEL: Permissible REL: Recommend Flam. Liq. 2: Flam	Il Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent , 50 percent ioaccumulative and Toxic ent and very Bioaccumulative institute for Occupational Safety hal Safety & Health mit Value Exposure Limit d Exposure Limit mable liquids – Category 2	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LC50: Lethal conc LD50: Lethal dose PBT: Persistent, B vPvB: very Persist NIOSH: National OSHA: Occupation TLV: Threshold Li PEL: Permissible REL: Recommend Flam. Liq. 2: Flam Skin Irrit. 2: Skin o	Il Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent ioaccumulative and Toxic ent and very Bioaccumulative institute for Occupational Safety ial Safety & Health mit Value Exposure Limit d Exposure Limit mable liquids – Category 2 porrosion/irritation – Category 2	
ACGIH: American EINECS: Europea CAS: Chemical Ab NFPA: National F HMIS: Hazardous VOC: Volatile Org LC50: Lethal conc LD50: Lethal conc PBT: Persistent, B vPvB: very Persist NIOSH: National OSHA: Occupation TLV: Threshold Li PEL: Permissible REL: Recommenda Flam. Liq. 2: Flan Skin Irrit. 2: Skina Eye Irrit. 2A: Seria	Il Air Transport Association Conference of Governmental Industrial Hygienists In Inventory of Existing Commercial Chemical Substances stracts Service (division of the American Chemical Society) ire Protection Association (USA) Materials Identification System (USA) anic Compounds (USA, EU) entration, 50 percent , 50 percent ioaccumulative and Toxic ent and very Bioaccumulative institute for Occupational Safety hal Safety & Health mit Value Exposure Limit mable liquids – Category 2	

