

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 28.03.2023

Version number 106.01 (replaces version 106.00)

Revision: 18.11.2022

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### - 1.1 Product identifier

- Trade name **Hydro Pen / Hydro Sponge**

- UFI: 02G9-P0U7-U002-E84R

### - 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

### - Application of the substance / the mixture

Industrial use.

Restrictions on use apply to this product according to Regulation (EU) no. 1907/2006 Annex XVII (see section 15)

### - 1.3 Details of the supplier of the safety data sheet

#### - Manufacturer/Supplier:

Riepe GmbH & Co. KG

Theodor Rosenbaum Str. 28-30

32257 Bünde - Deutschland

Tel.: +49 (0) 5223 - 687407-0

Fax: +49 (0) 5223 - 687407-50

E-Mail: info@riepe.eu

#### - Informing department:

Tel.: +49 (0) 5223 - 687407-0

E-mail: info@riepe.eu

### - 1.4 Emergency telephone number:

Poison Control Center, Mainz

Tel. 00 49 / 61 31 / 19 240

## SECTION 2: Hazards identification

### - 2.1 Classification of the substance or mixture

#### - Classification according to Regulation (EC) No 1272/2008

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

### - 2.2 Label elements

#### - Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

#### - Hazard pictograms



GHS08

#### - Signal word Danger

#### - Hazard-determining components of labelling:

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Kohlenwasserstoffe, C11-C12, Isoalkane, < 2% Aromaten

#### - Hazard statements

H304 May be fatal if swallowed and enters airways.

#### - Precautionary statements

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with harmless additions

- **Dangerous components:**

CAS: 90622-58-5 EC number: 920-901-0 Reg.nr.: 01-2119456810-40	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics Asp. Tox. 1, H304, EUH066	50-100%
EC number: 918-167-1 Reg.nr.: 01-2119472146-39	Kohlenwasserstoffe, C11-C12, Isoalkane, < 2% Aromaten Flam. Liq. 3, H226; Asp. Tox. 1, H304, EUH066	2,5-10%
EC number: 920-901-0 Reg.nr.: 01-2119456810-40	Hydrocarbons, C11-C13, isoalkanes, <2% aromatics Asp. Tox. 1, H304, EUH066	2,5-10%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	2,5-10%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General advice:** In case of unconsciousness bring patient into stable side position for transport.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**  
Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.
- **After eye contact**  
Rinse immediately opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** If vomiting occurs spontaneously, keep head below hips to prevent aspiration. .
- **Information for doctor**  
Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration. Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.
- **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**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**  
Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

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- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**  
Endangered containers in the surrounding area should be cooled with a water-hose.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Avoid contact with skin, eyes and clothes.  
Ensure adequate ventilation
- **6.2 Environmental precautions:**  
Do not allow to enter drainage system, surface or ground water.  
If large amounts are released, the authorities must be informed.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Contaminated material has to be disposed as waste (see item 13).
- **6.4 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 information on disposal.  
Danger of burning is possible

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage** Store in cool, dry conditions in well sealed containers.
- **Requirements to be met by storerooms and containers:**  
Observe official regulations on storage and handling of water hazardous substances
- **Information about storage in one common storage facility:**  
Store away from oxidising agents.  
According to guidelines of the VbF, flammable liquids should not be stored together.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Recommended storage temperature >5 °C.  
Recommended temperature for transport > 5°C
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**

#### 90622-58-5 C11-15-Isoalkanes

AGW (Germany)	Long-term value: 600 mg/m <sup>3</sup> 2(II), Kohlenwasserstoffgemische (TRGS 900)
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<b>Kohlenwasserstoffe, C11-C12, Isoalkane, &lt; 2% Aromaten</b>	
AGW (Germany)	Long-term value: 300 mg/m <sup>3</sup> TRGS 900, Nr. 2,9, Kohlenwasserstoffgemische
<b>Hydrocarbons, C11-C13, isoalkanes, &lt;2% aromatics</b>	
AGW (Germany)	Long-term value: 600 mg/m <sup>3</sup> TRGS 900, Nr. 2,9, Kohlenwasserstoffgemische
<b>34590-94-8 Dipropylene glycol monomethyl ether</b>	
AGW (Germany)	Long-term value: 310 mg/m <sup>3</sup> , 50 ppm 1(l);DFG, EU, 11
EG (Germany)	Short-term value: 614 mg/m <sup>3</sup> , 100 ppm Long-term value: 308 mg/m <sup>3</sup> , 50 ppm
MAK (Germany)	Long-term value: 310 mg/m <sup>3</sup> , 50 ppm als Dampf und Aerosol
IOELV (EU)	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Skin
<b>- DNELs</b>	
<b>34590-94-8 Dipropylene glycol monomethyl ether</b>	
Oral	DNEL (population) 36 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker) 283 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population) 121 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker) 308 mg/m <sup>3</sup> (Long-term, systemic effects)
	DNEL (population) 37,2 mg/m <sup>3</sup> (Long-term, systemic effects)
<b>- PNECs</b>	
<b>34590-94-8 Dipropylene glycol monomethyl ether</b>	
PNEC water	19 mg/l (freshwater)
	1,9 mg/l (marine water)
PNEC water	190 mg/l (intermittent releases)
PNEC	4.168 mg/l (sewage plant)
PNEC sediment	70,2 mg/kg (freshwater)
	7,02 mg/kg (marine water)
PNEC soil	2,74 mg/kg (soil)

**- Additional information:**

Use only in well-ventilated areas.

The lists that were valid during the compilation were used as basis.

**- 8.2 Exposure controls****- Appropriate engineering controls** No further data; see section 7.**- Individual protection measures, such as personal protective equipment****- General protective and hygienic measures**

Do not store food in the working area.

Keep away from food, beverages and fodder.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

**- Breathing equipment:**

Use breathing protection in case of insufficient ventilation.

Respiratory protection in case of release of vapours/aerosols

**- Recommended filter device for short term use:** Combination filter A-P2

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**- Hand protection**

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

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

**- Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0,4$  mm

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**- Penetration time of glove material**

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

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

**- Eye/face protection** Safety glasses recommended during refilling.

**- Body protection:** Standard protective working clothes

## SECTION 9: Physical and chemical properties

**- 9.1 Information on basic physical and chemical properties****- General Information**

<b>- Colour:</b>	white to pink
<b>- Smell:</b>	Paraffinic
<b>- Odour threshold:</b>	Not determined.
<b>- Melting point/freezing point:</b>	Not determined
<b>- Boiling point or initial boiling point and boiling range</b>	>35 °C
<b>- Flammability</b>	Not applicable.
<b>- Lower and upper explosion limit</b>	
<b>- Lower:</b>	Not determined.
<b>- Upper:</b>	Not determined.
<b>- Flash point:</b>	61 °C
<b>- Auto-ignition temperature:</b>	Not determined.
<b>- Decomposition temperature:</b>	Not determined.
<b>- pH</b>	not applicable Not determined.
<b>- pH-value:</b>	
<b>- Viscosity:</b>	
<b>- Kinematic viscosity</b>	Not determined.
<b>- Kinematic viscosity</b>	
<b>- dynamic:</b>	Not determined.
<b>- Solubility</b>	
<b>- Water:</b>	Insoluble
<b>- Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>- Vapour pressure at 20 °C:</b>	0,4 hPa (90622-58-5 Hydrocarbons, C11-C13, isoalkanes, <2% aromatics)
<b>- Vapour pressure:</b>	
<b>- Density and/or relative density</b>	
<b>- Density at 20 °C</b>	0,781 g/cm <sup>3</sup>
<b>- Relative density</b>	Not determined.

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- Vapour density	Not determined.
<b>- 9.2 Other information</b>	
- Appearance:	
- Form:	Liquid
<b>- Important information on protection of health and environment, and on safety.</b>	
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not potentially explosive
- Evaporation rate	Not determined.
<b>- Information with regard to physical hazard classes</b>	
- Explosives	Void
- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
- Substances and mixtures, which emit flammable gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	Void
- Desensitised explosives	Void

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
To avoid: warmth, flames, sparks
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** strong oxidizing agents
- **10.6 Hazardous decomposition products:** In case of fire: see section 5

## SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

**90622-58-5 Hydrocarbons, C11-C13, isoalkanes, <2% aromatics**

Oral	LD50	>5.000 mg/kg (rat) (OECD 401)
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Dermal	LD50	>5.000 mg/kg (rabbit) (OECD 402)
Inhalative	LC 50 / 8 h	>5 mg/l (rat)
<b>Kohlenwasserstoffe, C11-C12, Isoalkane, &lt; 2% Aromaten</b>		
Oral	LD50	>5.000 mg/kg (rat) (OECD 401 äquivalent)
Dermal	LD50	>5.000 mg/kg (rabbit) (OECD 402 äquivalent)
<b>Hydrocarbons, C11-C13, isoalkanes, &lt;2% aromatics</b>		
Oral	LD50	>5.000 mg/kg (rat) (OECD 401)
Dermal	LD50	>5.000 mg/kg (rabbit) (OECD 402)
<b>34590-94-8 Dipropylene glycol monomethyl ether</b>		
Oral	LD50	5.135 mg/kg (rat)
Dermal	LD50	9.510 mg/kg (rabbit)
Inhalative	LC 50 / 4 h	55-60 mg/l (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard**  
May be fatal if swallowed and enters airways.

- **STOT-repeated exposure:**

#### **34590-94-8 Dipropylene glycol monomethyl ether**

Oral	NOAEL subacute	1.000 mg/kg/28d (rat)
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- **Aspiration hazard:**  
May be fatal if swallowed and enters airways. Based on physical and chemical properties of the product.
- **Additional toxicological information:**  
Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis. Aspiration into the lungs may cause chemical pneumonitis which can be fatal.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

#### **90622-58-5 Hydrocarbons, C11-C13, isoalkanes, <2% aromatics**

LC 0 / 96 h	>1.000 mg/l (Oncorhynchus mykiss) (OECD 203)
EC 50 / 48 h	>1.000 mg/l (Tetrahymen pyriformis)

#### **Kohlenwasserstoffe, C11-C12, Isoalkane, < 2% Aromaten**

LC 50 / 96 h	1.000 mg/l (fish)
EC 50 / 48 h	1.000 mg/l (Daphnia)
EC 50 / 72 h	1.000 mg/l (Pseudokirchneriella subcapitata)

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<b>34590-94-8 Dipropylene glycol monomethyl ether</b>	
LC 50 / 96 h	>1.000 mg/l (fish) >10.000 mg/l ( <i>Pimephales promelas</i> )
LC 50 / 48 h	1.919 mg/l ( <i>Daphnia magna</i> )
EC 50 / 96 h	969 mg/l ( <i>Selenastrum capricornutum</i> )
EC 50 / 72 h	>969 mg/l ( <i>Pseudokirchneriella subcapitata</i> )
NOEC	≥0,5 mg/l /22 d ( <i>Daphnia magna</i> )
NOEC / 72 h	969 mg/l ( <i>Pseudokirchneriella subcapitata</i> )
<b>- 12.2 Persistence and degradability</b>	
<b>90622-58-5 Hydrocarbons, C11-C13, isoalkanes, &lt;2% aromatics</b>	
Biodegradability	31,5 % (OECD 301 F)
<b>34590-94-8 Dipropylene glycol monomethyl ether</b>	
DOC - Elimination	>70 % (OECD 301 E)
Biodegradability	91 % /28 d (ISO 14593) 75 % /10d (OECD 301 F)

**- 12.3 Bioaccumulative potential**

Floats on water. Dissolved material adsorbs strongly to sediment. Product remaining on soil surface will partly evaporate, but a significant proportion will remain after one day. Adsorbs to soil and is not mobile.

**- 12.4 Mobility in soil** No further relevant information available.**- 12.5 Results of PBT and vPvB assessment**- **PBT:** Not applicable.- **vPvB:** Not applicable.**- 12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

**- 12.7 Other adverse effects****- Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):**

<b>90622-58-5 Hydrocarbons, C11-C13, isoalkanes, &lt;2% aromatics</b>	
EC 0	>1.000 mg/l ( <i>Daphnia magna</i> ) (OECD 202)
<b>34590-94-8 Dipropylene glycol monomethyl ether</b>	
EC 10	4.168 mg/l /18 h ( <i>Pseudomonas putida</i> )
EC 20	>1.000 mg/l (activated sludge (method OECD 209))

**- Additional ecological information:****- General notes:**

Do not allow to enter drainage system, surface or ground water

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

## SECTION 13: Disposal considerations

**- 13.1 Waste treatment methods**

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

**- Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Contaminated water to separate by separator and dispose off in line with administrative regulations.

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**- Waste disposal key number:**

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

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

**- Recommendation:**

Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.

### SECTION 14: Transport information

- 14.1 UN number or ID number - ADR/RID/ADN, IMDG, IATA	Void
- 14.2 UN proper shipping name - ADR/RID/ADN, IMDG, IATA	Void
- 14.3 Transport hazard class(es) - ADR/RID/ADN, IMDG, IATA - Class	Void
- 14.4 Packing group - ADR/RID/ADN, IMDG, IATA	Void
- 14.6 Special precautions for user	Not applicable.
- 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
- Transport/Additional information:	Not dangerous according to the above specifications.
- UN "Model Regulation":	Void

### SECTION 15: Regulatory information

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

**- Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**- Hazard pictograms**



GHS08

**- Signal word** Danger

**- Hazard-determining components of labelling:**

Hydrocarbons, C11-C13, isoalkanes, <2% aromatics

Kohlenwasserstoffe, C11-C12, Isoalkane, < 2% Aromaten

**- Hazard statements**

H304 May be fatal if swallowed and enters airways.

**- Precautionary statements**

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

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- P331 Do NOT induce vomiting.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

#### - **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

#### - **REGULATION (EU) 2019/1148**

#### - **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

#### - **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

#### - **National regulations**

#### - **Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

#### - **Other regulations, limitations and prohibitive regulations**

#### - **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

#### - **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

#### - **UFI market placements:**

#### - **Relevant phrases**

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3.

These phrases refer to the constituents. The labelling for this product is stated in section 2.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

EUH066 Repeated exposure may cause skin dryness or cracking.

#### - **Department issuing data specification sheet:** see item 1: Informing department

#### - **Version number of previous version:** 106.00

#### - **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international 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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*IATA: International Air Transport Association**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**ISO: International Organisation for Standardisation**DNEL: Derived No-Effect Level (REACH)**PNEC: Predicted No-Effect Concentration (REACH)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**SVHC: Substances of Very High Concern**vPvB: very Persistent and very Bioaccumulative**Flam. Liq. 3: Flammable liquids – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1***- \* Data compared to the previous version altered.**

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