

# SAFETY DATA SHEET according to regulation 1907/2006

**silco**<sup>®</sup>**Product name: 20.163 Unimix Blue Reduced****Creation date: 22.02.2021, Revision: 07.04.2021, version: 1.0**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product name**

20.163 Unimix Blue Reduced

**Product code**

20.163

**UFI:**

03US-U1GX-Y00C-EJ9Y

<https://my.chemius.net/p/olndJN/en/pd/en>

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

**Relevant identified uses**

No information.

**Uses advised against**

No information.

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

**Supplier**

SILCO d.o.o.

Sentrupert 5a

3303 Gomilsko, Slovenia

00386 3 703 3180

n.cvilak@silco.si

### 1.4 Emergency Telephone Number

**Emergency**

National Poisons Information Centre: (01) 809 2166

**Supplier**

00386 3 703 3180

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Flam. Liq. 3; H226 Flammable liquid and vapour.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

**Signal word: Warning**

H226 Flammable liquid and vapour.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P370 + P378 In case of fire: Use... to extinguish.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with national regulation.

**2.3 Other hazards**

No information.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

For mixtures see 3.2.

**3.2 Mixtures**

NAME	CAS EC INDEX REACH	%	CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008 (CLP)	SPECIFIC CONC. LIMITS	NOTES FOR SUBSTANCES
1-methoxy-2-propylacetate	108-65-6 203-603-9 607-195-00-7	40-50	Flam. Liq. 3; H226	/	/
Xylene (mixture of isomers)	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	0.01-0.1	Flam. Liq. 3; H226 Acute Tox. 4; H312 Skin Irrit. 2; H315 Acute Tox. 4; H332	/	/
ethylbenzene	100-41-4 202-849-4 601-023-00-4 01-2119489370-35	0.01-0.1	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Acute Tox. 4; H332 STOT RE 2; H373	/	/

**SECTION 4: FIRST AID MEASURES****4.1 First aid measures****General notes**

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician.

**Following inhalation**

Remove patient to fresh air - move out of dangerous area. Obtain professional medical help!

**Following skin contact**

Take off all contaminated clothing. Areas of the body that have come into contact with the product must be rinsed with water. If symptoms develop and persist, seek medical attention.

**Following eye contact**

Immediately flush eyes with running water, keeping eyelids apart. If irritation persists, seek professional medical attention.

**Following ingestion**

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Consult a physician. Show the physician the safety data sheet or label.

**4.2 Most important symptoms and effects, both acute and delayed****Following inhalation**

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation.

**Following skin contact**

Contact with skin may cause irritation (redness, itching).

**Following eye contact**

Contact with eyes can cause irritation (redness, tearing, pain).

**Following ingestion**

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media**

Full water jet.

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

**5.3 Advice for firefighters****Protective actions**

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training. Prolonged heating can cause an explosion. Vapours can form explosive mixtures with air. Cool containers at risk with water spray. If possible remove containers from endangered area.

**Special protective equipment for fire-fighters**

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

**Additional information**

No information.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

**Protective equipment**

No information.

**Precautionary measures**

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking!

**Emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist. Avoid contact with skin, eyes and clothing.

**For emergency responders**

Use personal protective equipment.

### 6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

### 6.3 Methods and material for containment and cleaning up

**For containment**

Stem the spill if this does not pose risks.

**For cleaning up**

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use only explosion-proof instruments and equipment. Use spark-proof tools. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

**OTHER INFORMATION**

No information.

### 6.4 Reference to other sections

See also sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Protective measures**

**Measures to prevent fire**

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air.

**Measures to prevent aerosol and dust generation**

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

**Measures to protect the environment**

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

**Other measures**

No information.

**Advice on general occupational hygiene**

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Avoid contact with skin, eyes and clothes. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep away from oxidising substances. Keep away from sources of ignition - no smoking.

### Packaging materials

Store only in original container.

### Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

### Storage class

No information.

### Further information on storage conditions

No information.

## 7.3 Specific end use(s)

### Recommendations

No information.

### Industrial sector specific solutions

No information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational Exposure limit values

No information.

#### Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents.

#### DNEL/DMEL values

##### For product

No information.

##### For components

NAME	TYPE	EXPOSURE ROUTE	EXP. FREQUENCY	REMARK	VALUE
Xylene (mixture of isomers)	Worker	inhalation	long term systemic effects	/	221 mg/m <sup>3</sup>
Xylene (mixture of isomers)	Worker	inhalation	short term systemic effects	/	442 mg/m <sup>3</sup>
Xylene (mixture of isomers)	Worker	inhalation	long term local effects	/	221 mg/m <sup>3</sup>
Xylene (mixture of isomers)	Worker	inhalation	short term local effects	/	442 mg/m <sup>3</sup>
Xylene (mixture of isomers)	Worker	dermal	long term systemic effects	/	212 mg/kg bw/day
Xylene (mixture of isomers)	Consumer	inhalation	long term systemic effects	/	65.3 mg/m <sup>3</sup>
Xylene (mixture of isomers)	Consumer	inhalation	short term systemic effects	/	260 mg/m <sup>3</sup>
Xylene (mixture of isomers)	Consumer	inhalation	long term local effects	/	65.3 mg/m <sup>3</sup>
Xylene (mixture of isomers)	Consumer	inhalation	short term local effects	/	260 mg/m <sup>3</sup>
Xylene (mixture of isomers)	Consumer	dermal	long term systemic effects	/	125 mg/kg bw/day

Xylene (mixture of isomers)	Consumer	oral	long term systemic effects	/	12.5 mg/kg bw/day
ethylbenzene	Worker	inhalation	long term systemic effects	/	77 mg/m <sup>3</sup>
ethylbenzene	Worker	inhalation	short term local effects	/	293 mg/m <sup>3</sup>
ethylbenzene	Worker	dermal	long term systemic effects	/	180 mg/kg bw/day
ethylbenzene	Consumer	inhalation	long term systemic effects	/	15 mg/m <sup>3</sup>
ethylbenzene	Consumer	oral	long term systemic effects	/	1.6 mg/kg bw/day

#### PNEC values

For product

No information.

For components

NAME	EXPOSURE ROUTE	REMARK	VALUE
Xylene (mixture of isomers)	fresh water	/	0.327 mg/L
Xylene (mixture of isomers)	water, intermittent release	/	0.327 mg/L
Xylene (mixture of isomers)	marine water	/	0.327 mg/L
Xylene (mixture of isomers)	water treatment plant	/	6.58 mg/L
Xylene (mixture of isomers)	fresh water sediment	dry weight	12.46 mg/kg
Xylene (mixture of isomers)	marine water sediment	dry weight	12.46 mg/kg
Xylene (mixture of isomers)	soil	dry weight	2.31 mg/kg
ethylbenzene	fresh water	/	0.1 mg/L
ethylbenzene	water, intermittent release	/	0.1 mg/L
ethylbenzene	marine water	/	0.01 mg/L
ethylbenzene	water treatment plant	/	9.6 mg/L
ethylbenzene	fresh water sediment	dry weight	13.7 mg/kg
ethylbenzene	marine water sediment	dry weight	1.37 mg/kg
ethylbenzene	soil	dry weight	2.68 mg/kg
ethylbenzene	secondary poisoning	food	0.02 g/kg

## 8.2 Exposure controls

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothes. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

#### Personal protective equipment

##### Eye and face protection

Safety glasses with side protection (EN 166).

##### Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. 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. The penetration time is determined by the protective glove manufacturer and must be observed.

#### Appropriate materials

##### Skin protection

Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012). At high risk of skin exposure chemical suits (EN ISO 6530:2005) and boots may be required (EN ISO 20345:2012).

##### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

##### Thermal hazards

No information.

#### Environmental exposure controls

##### Substance/mixture related measures to prevent exposure

No information.

##### Instruction measures to prevent exposure

No information.

##### Organisational measures to prevent exposure

No information.

#### Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Physical state

liquid

#### Colour

blue

#### Odour

No information.

#### Important health, safety and environmental information

Odour threshold	No information.
pH	7 at 20 °C, conc. 100 %
Melting point/Freezing point	No information.
Initial boiling point/boiling range	No information.
Flash point	No information.
Evaporation rate	No information.
Flammability (solid, gas)	No information.

Explosion limits (vol%)	No information.
Vapour pressure	No information.
Vapour density	No information.
Density / weight	Density: 1 g/cm <sup>3</sup>
Solubility	No information.
Partition coefficient	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
Viscosity	No information.
Explosive properties	No information.
Oxidising properties	No information.

## 9.2 OTHER INFORMATION

Solids content	0 % 0 vol %
Weight organic solvents	0 g/l

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information.

### 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures.

### 10.4 Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks.

### 10.5 Incompatible materials

Oxidants.

### 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion



vapours/gases that pose a health hazard are released.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### (a) Acute toxicity

For components

NAME	EXPOSURE ROUTE	TYPE	SPECIES	TIME	VALUE	METHOD	REMARK
1-methoxy-2-propylacetate	oral	LD <sub>50</sub>	rat	/	8530 mg/kg	/	/
1-methoxy-2-propylacetate	dermal	LD <sub>50</sub>	rat	/	> 5000 mg/kg	/	/
Xylene (mixture of isomers)	oral	LD <sub>50</sub>	rat	/	> 3523 mg/kg	/	/
Xylene (mixture of isomers)	dermal	LD <sub>50</sub>	rabbit	/	4200 mg/kg	/	/
Xylene (mixture of isomers)	inhalation (vapours)	LC <sub>50</sub>	rat	4 h	29 mg/l	/	/
ethylbenzene	dermal	LD <sub>50</sub>	rabbit	/	17800 mg/kg	/	/
ethylbenzene	oral	LD <sub>50</sub>	rat	/	3500 mg/kg	/	/
ethylbenzene	inhalation	LC <sub>50</sub>	/	4 h	11 mg/l	/	ATE

#### Additional information

The product is not classified for acute toxicity.

#### (b) Skin corrosion/irritation

No information.

#### Additional information

The product is not classified as irritating to skin and eyes.

#### (c) Serious eye damage/irritation

No information.

#### (d) Respiratory or skin sensitisation

No information.

#### Additional information

The product is not classified as sensitising.

#### (e) (Germ cell) mutagenicity

No information.

#### (f) Carcinogenicity

No information.

#### (g) Reproductive toxicity

No information.

#### Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

#### (h) STOT-single exposure

No information.

#### Additional information

STOT SE (single exposure): Not classified.

#### (i) STOT-repeated exposure

No information.

#### Additional information

STOT RE (repeated exposure): Not classified.

#### (j) Aspiration hazard

No information.

Additional information

Aspiration hazard: Not classified.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Acute (short-term) toxicity

##### For components

NAME	TYPE	VALUE	EXPOSURE TIME	SPECIES	ORGANISM	METHOD	REMARK
Xylene (mixture of isomers)	LC <sub>50</sub>	13.4 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
Xylene (mixture of isomers)	LC <sub>50</sub>	13.1 - 16.5 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
Xylene (mixture of isomers)	LC <sub>50</sub>	2661 - 4093 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
Xylene (mixture of isomers)	LC <sub>50</sub>	19 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
Xylene (mixture of isomers)	LC <sub>50</sub>	30.26 - 40.75 mg/L	96 h	fish	<i>Poecilia reticulata</i>	/	/
Xylene (mixture of isomers)	LC <sub>50</sub>	23.53 - 29.97 mg/L	96 h	fish	<i>Pimephales promelas</i>	/	/
Xylene (mixture of isomers)	LC <sub>50</sub>	7711 - 9591 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
Xylene (mixture of isomers)	LC <sub>50</sub>	780 mg/L	96 h	fish	<i>Cyprinus carpio</i>	/	/
Xylene (mixture of isomers)	LC <sub>50</sub>	> 780 mg/L	96 h	fish	<i>Cyprinus carpio</i>	/	/
Xylene (mixture of isomers)	LC <sub>50</sub>	13.5 - 17.3 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>	/	/
Xylene (mixture of isomers)	EC <sub>50</sub>	3.82 mg/L	48 h	daphnia	/	/	/
ethylbenzene	EC <sub>50</sub>	2.1 mg/L	48 h	<i>Daphnia</i>	/	/	/

#### Chronic (long-term) toxicity

No information.

### 12.2 Persistence and degradability

#### Abiotic degradation, physical- and photo-chemical elimination

No information.

#### Biodegradation

##### For components

NAME	TYPE	RATE	TIME	EVALUATION	METHOD	REMARK
1-methoxy-2- propylacetate	Water solubility	> 10000 mg/L	/	/	/	/
1-methoxy-2- propylacetate	biodegradability	/	/	rapidly biodegradable	/	/

### 12.3 Bioaccumulative potential

### Partition coefficient For components

NAME	MEDIA	VALUE	TEMPERATURE	PH	CONCENTRATION	METHOD
1-methoxy-2- propylacetate	Log Pow	1.2	/	/	/	/

Bioconcentration factor (BCF)  
No information.

### 12.4 Mobility in soil

Known or predicted distribution to environmental compartments  
No information.

Surface tension  
No information.

Adsorption/Desorption  
No information.

### 12.5 Results of PBT and vPvB assessment

No evaluation.

### 12.6 Other adverse effects

No information.

### 12.7 Additional information

#### For product

Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product / Packaging disposal

##### Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

##### Waste codes / waste designations according to LoW

No information.

##### Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Uncleaned containers should not be perforated, cut or welded. Empty containers represent a fire hazard as they may contain flammable product residues and vapour.

##### Waste codes / waste designations according to LoW

No information.

##### Waste treatment-relevant information

No information.





##### Sewage disposal-relevant information

No information.

##### Other disposal recommendations

No information.

## SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number</b>			
UN 1263	UN 1263	UN 1263	UN 1263
<b>14.2 UN proper shipping name</b>			
PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)	PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)
<b>14.3 Transport hazard class(es)</b>			
3	3	3	3
			
<b>14.4 Packing group</b>			
III	III	III	III
<b>14.5 Environmental hazards</b>			
NO	NO	NO	NO
<b>14.6 Special precautions for user</b>			
Limited quantities 5 L Transport category 3 Tunnel restriction code (D/E)	Limited quantities 5 L EmS F-E, S-E Special provisions 163, 367, 650 Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Tank instructions T2 Tank special provisions TP1, TP29	Limited Quantity Packing Instructions Y344 Limited Quantity Net Qty 10 L Passenger Packing Instruction Packing Instructions 355 Passenger Packing Instruction Net Qty 25 L Special provisions A3, A72, A192	Limited quantities 5 L
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>			
Goods may not be carried in bulk in bulk containers, containers or vehicles.	Goods may not be carried in bulk in bulk containers, containers or vehicles.	Not given/not applicable	Not given/not applicable

## SECTION 15: REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)(including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline) not applicable

Regulation EC 648/2004 on detergents

No information.

Special instructions

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION

Indication of changes

1.1 Product identifier 1.2 Relevant identified uses of the substance or mixture and uses advised against 1.3 Details of the supplier of the safety data sheet 2.1 Classification of the substance or mixture 2.2 Label elements 4.1 First aid measures 4.2 Most important symptoms and effects, both acute and delayed 5.1 Extinguishing media 5.2 Special hazards arising from the substance or mixture 5.3 Advice for firefighters 6.1 Personal precautions, protective equipment and emergency procedures 6.3 Methods and material for containment and cleaning up 7.1 Precautions for safe handling 7.2 Conditions for safe storage, including any incompatibilities 8.1 Control parameters 8.2 Exposure controls 9.1 Information on basic physical and chemical properties 9.2 OTHER INFORMATION 11.1 Information on toxicological effects 12.1 Toxicity 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil 13.1 Waste treatment methods 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Key literature references and sources for data

No information.

Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

DMEL - Derived Minimal Effect Level

DNEL - Derived No Effect Level

DPD - Dangerous Preparations Directive 1999/45/EC

DSD - Dangerous Substances Directive 67/548/EEC

DU - Downstream User

EC - European Community

ECHA - European Chemicals Agency

EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)

EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)

EEC - European Economic Community

EINECS - European Inventory of Existing Commercial Substances

ELINCS - European List of notified Chemical Substances

EN - European Standard

EQS - Environmental Quality Standard

EU - European Union

Euphrac - European Phrase Catalogue

EWC - European Waste Catalogue (replaced by LoW – see below)

GES - Generic Exposure Scenario

GHS - Globally Harmonized System

IATA - International Air Transport Association

ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG - International Maritime Dangerous Goods

IMSBC - International Maritime Solid Bulk Cargoes  
IT - Information Technology  
IUCLID - International Uniform Chemical Information Database  
IUPAC - International Union for Pure Applied Chemistry  
JRC - Joint Research Centre  
Kow - octanol-water partition coefficient  
LC50 - Lethal Concentration to 50 % of a test population  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)  
LE - Legal Entity  
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)  
LR - Lead Registrant  
M/I - Manufacturer / Importer  
MS - Member States  
MSDS - Material Safety Data Sheet  
OC - Operational Conditions  
OECD - Organization for Economic Co-operation and Development  
OEL - Occupational Exposure Limit  
OJ - Official Journal  
OR - Only Representative  
OSHA - European Agency for Safety and Health at work  
PBT - Persistent, Bioaccumulative and Toxic substance  
PEC - Predicted Effect Concentration  
PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

#### List of relevant H phrases

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H332 Harmful if inhaled.  
H373 May cause damage to organs through prolonged or repeated exposure.