

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

1.1 Product identifier

Trade name: **Ijmobond Lijmpasta TLZ**
 Article number: 273
 UFI: JQV2-G0Q2-C00T-X5US

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

Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 SU19 Building and construction work
 Product category PC1 Adhesives, sealants
 Process category PROC19 Manual activities involving hand contact
 PROC7 Industrial spraying
 Environmental release category ERC5 Use at industrial site leading to inclusion into/onto article
 ERC8c Widespread use leading to inclusion into/onto article (indoor)
 ERC8f Widespread use leading to inclusion into/onto article (outdoor)
 Article category AC13 Plastic articles
 Application of the substance / the mixture See our technical datasheet for application details of this product.
 Glue/ Sising agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: De IJssel Coatings BV, Centrumbaan 960, NL 2841 MH Moordrecht
 Tel: +31 182 372177, E-mail: info@de-ijssel-coatings.nl

Further information obtainable from: Research and Development.


1.4 Emergency telephone number:

De IJssel Coatings BV, Tel. +31 182 372177, E-mail: safety@de-ijssel-coatings.nl
 Office hours: working days from 08:00 to 17:00 hrs.


SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

 GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

 GHS08 health hazard

Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.

 GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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

  
 GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

styrene

Hazard statements

H226 Flammable liquid and vapour.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H361d Suspected of damaging the unborn child.
 H335 May cause respiratory irritation.

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

Printing date 18.07.2023

Version number 37 (replaces version 36)

Revision: 13.06.2023

Trade name: IJmobond Lijmpasta TLZ

(Contd. of page 1)

<ul style="list-style-type: none"> · Precautionary statements · Additional information: · 2.3 Other hazards · Results of PBT and vPvB assessment · PBT: · vPvB: 	<p>H372 Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P241 Use explosion-proof [electrical/ventilating/lighting] equipment.</p> <p>P260 Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container in accordance with local/regional/national/international regulations.</p> <p>EUH208 Contains cobalt(II) 2-ethylhexanoate. May produce an allergic reaction.</p> <p>Not applicable.</p> <p>Not applicable.</p>
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* SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 100-42-5 EINECS: 202-851-5 Index number: 601-026-00-0 Reg.nr.: 01-2119457861-32	styrene ⚠ Flam. Liq. 3, H226; ⚠ Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	25 – 50%
CAS: 136-52-7 EINECS: 205-250-6 Reg.nr.: 01-21195-24678-29	cobalt(II) 2-ethylhexanoate ⚠ Repr. 1A, H360Fd; ⚠ Eye Irrit. 2, H319; Skin Sens. 1A, H317; Aquatic Chronic 3, H412	≤ 0.1%

· 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

<ul style="list-style-type: none"> · General information: · After inhalation: · After skin contact: · After eye contact: · After swallowing: · 4.2 Most important symptoms and effects, both acute and delayed · 4.3 Indication of any immediate medical attention and special treatment needed 	<p>Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.</p> <p>In case of unconsciousness place patient stably in side position for transportation.</p> <p>Immediately wash with water and soap and rinse thoroughly.</p> <p>Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.</p> <p>If symptoms persist consult doctor.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p>
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SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents: CO₂ or powder. Fight larger fires with alcohol resistant foam.

· For safety reasons unsuitable extinguishing agents: Water with full jet

· 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

(Contd. on page 3)

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

Printing date 18.07.2023

Version number 37 (replaces version 36)

Revision: 13.06.2023

Trade name: IJmobond Lijmpasta TLZ

(Contd. of page 2)

- **5.3 Advice for firefighters**
- Protective equipment: Mouth respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
 - Mount respiratory protective device.
 - Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
 - Do not allow product to reach sewage system or any water course.
 - Inform respective authorities in case of seepage into water course or sewage system.
 - Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to section 13.
 - Ensure adequate ventilation.
- **6.4 Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

*** SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**
 - Ensure good ventilation/exhaustion at the workplace.
 - Open and handle receptacle with care.
 - Prevent formation of aerosols.
- Information about fire - and explosion protection:
 - Keep ignition sources away - Do not smoke.
 - Protect against electrostatic charges.
 - Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- Storage:
 - Requirements to be met by storerooms and receptacles:
 - Store material in original, tightly closed containers in a cool, well-ventilated area in accordance with applicable (local) regulations. Depending on total volume stored, the storage area should comply with PGS15.
 - Information about storage in one common storage facility:
 - Not required.
 - Further information about storage conditions:
 - Keep container tightly sealed.
 - Recommended storage temperature:
 - 5 - 30 °C
- **7.3 Specific end use(s)**
 - No further relevant information available.

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

- **8.1 Control parameters**
- Ingredients with limit values that require monitoring at the workplace:
 - The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· DNEL (Derived No Effect Level) for workers		
100-42-5 styrene		
Dermal	Long-term - systemic effects, worker	406 mg/kg bw/day (Worker)
Inhalative	Acute - systemic effects, worker	289 mg/m ³ (Worker)
	Acute - local effects, worker	306 mg/m ³ (Worker)
	Long-term - systemic effects, worker	85 mg/m ³ (Worker)
136-52-7 cobalt(II) 2-ethylhexanoate		
Inhalative	Long-term - local effects, worker	0.235 mg/m ³ (Worker)

(Contd. on page 4)

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

Printing date 18.07.2023

Version number 37 (replaces version 36)

Revision: 13.06.2023

Trade name: IJmobond Lijmpasta TLZ

(Contd. of page 3)

· DNEL (Derived No Effect Level) for the general population	
100-42-5 styrene	
Oral	Long-term - systemic effects, general population 2.1 mg/kg bw/day (General population)
Dermal	Long-term - systemic effects, general population 343 mg/kg bw/day (General population)
Inhalative	Acute - systemic effects, general population 174.25 mg/m ³ (General population)
	Acute - local effects, general population 182.75 mg/m ³ (General population)
	Long-term - systemic effects, general population 10.2 mg/m ³ (General population)
136-52-7 cobalt(II) 2-ethylhexanoate	
Oral	Long-term - systemic effects, general population 0.0558 mg/kg bw/day (General population)
Inhalative	Long-term - local effects, general population 0.037 mg/m ³ (General population)
· PNEC (Predicted No Effect Concentration) values	
100-42-5 styrene	
Aquatic compartment - freshwater	0.028 mg/l (Sediment freshwater)
Aquatic compartment - marine water	0.0028 mg/l (Marine water)
Aquatic compartment - water, intermittent releases	0.04 mg/l (Intermittent release water)
Aquatic compartment - sediment in freshwater	0.0614 mg/kg sed dw (Sediment freshwater)
Aquatic compartment - sediment in marine water	0.0614 mg/kg sed dw (Sediment marine water)
Terrestrial compartment - soil	0.2 mg/kg dw (Soil)
Sewage treatment plant	5 mg/l (stp)
136-52-7 cobalt(II) 2-ethylhexanoate	
Aquatic compartment - freshwater	0.00149 mg/l (Freshwater)
Aquatic compartment - marine water	0.0069 mg/l (Marine water) ((Co))
Aquatic compartment - sediment in freshwater	27.8 mg/kg sed dw (Sediment freshwater) ((Co))
Aquatic compartment - sediment in marine water	17.8 mg/kg sed dw (Sediment marine water)
Terrestrial compartment - soil	23.1 mg/kg dw (Soil) ((CoH))
Sewage treatment plant	1.08 mg/l (stp) ((Co))

· Additional information: The lists valid during the making 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:
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Store protective clothing separately.
 - Avoid contact with the eyes and skin.
- Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Hand protection
 - Protective gloves
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
 - Butyl rubber, BR
 - Fluorocarbon rubber (Viton)
 - 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.
 - Recommended thickness of the material: ≥ 0.3 mm
- 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.
 - For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 16523-1:2015: Level 6).
- For the permanent contact gloves made of the following materials are suitable:
 - Butyl rubber, BR

(Contd. on page 5)

Trade name: IJmobond Lijmpasta TLZ

(Contd. of page 4)

- As protection from splashes gloves made of the following materials are suitable: Fluorocarbon rubber (Viton)
- Not suitable are gloves made of the following materials: Nitrile rubber, NBR
- Eye/face protection: Leather gloves
Strong material gloves
Tightly sealed goggles

*** SECTION 9: Physical and chemical properties**

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Physical state	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	145 °C
· Flammability	Flammable.
· Lower and upper explosion limit	
· Lower:	1.2 Vol %
· Upper:	8.9 Vol %
· Flash point:	31 °C (Pensky Martens, ASTM D93)
· Auto-ignition temperature:	> 370 °C
· Decomposition temperature:	Not determined.
· pH at 20 °C	7
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	6 hPa
· Density and/or relative density	
· Density at 20 °C:	1.315 g/cm ³ (DIN 51757, ASTM D 1298)
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Solvent content:	
· Organic solvents:	29.3 %
· VOC:	
· VOC (2004/42/EC):	29.27 %
· Solids content:	70.8 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void

(Contd. on page 6)

Trade name: IJmobond Lijmpasta TLZ

(Contd. of page 5)

· 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 according to specifications.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known.
· 10.4 Conditions to avoid	No further relevant information available.
· 10.5 Incompatible materials:	No further relevant information available.
· 10.6 Hazardous decomposition products:	No dangerous decomposition products known.

*** SECTION 11: Toxicological information**

· 11.1 Information on 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 relevant for classification:	

Components	Type	Value	Species
100-42-5 styrene			
Oral	LD50	5,000 mg/kg (Rat)	

· Skin corrosion/irritation	Causes skin irritation.
· Serious eye damage/irritation	Causes serious eye irritation.
· Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
· 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	Suspected of damaging the unborn child.
· STOT-single exposure	May cause respiratory irritation.
· STOT-repeated exposure	Causes damage to the hearing organs through prolonged or repeated exposure. Route of exposure: Inhalation.
· Aspiration hazard	Based on available data, the classification criteria are not met.

· 11.2 Information on other hazards	
· Endocrine disrupting properties	
None of the ingredients is listed.	

*** SECTION 12: Ecological information**

· 12.1 Toxicity	
· Aquatic toxicity:	No further relevant information available.

Type of test	Effective concentration	Method	Assessment
100-42-5 styrene			
Oral	EC50	5.1 mg/l (Daphnia magna)	
Inhalative	LC50/4 h	24 mg/l (Rat)	
	LC50/96 h	25 mg/l (Lepomis macrochirus)	

· 12.2 Persistence and degradability	No further relevant information available.
· 12.3 Bioaccumulative potential	No further relevant information available.
· 12.4 Mobility in soil	No further relevant information available.
· 12.5 Results of PBT and vPvB assessment	
· PBT:	Not applicable.
· vPvB:	Not applicable.

(Contd. on page 7)

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

Printing date 18.07.2023

Version number 37 (replaces version 36)

Revision: 13.06.2023

Trade name: IJmobond Lijmpasta TLZ

(Contd. of page 6)

- **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- Remark: Harmful to fish
- Additional ecological information:
- General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue	
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP10	Toxic for reproduction
HP14	Ecotoxic

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

SECTION 14: Transport information

· 14.1 UN number or ID number	
· ADR/RID/ADN, IMDG, IATA	UN1133
· 14.2 UN proper shipping name	
· ADR/RID/ADN	1133 ADHESIVES
· IMDG, IATA	ADHESIVES
· 14.3 Transport hazard class(es)	
· ADR/RID/ADN	
· Class	3 (F1) Flammable liquids.
· Label	3
· IMDG, IATA	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group	
· ADR/RID/ADN, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E,S-D
· Stowage Category	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

(Contd. on page 8)

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Trade name: IJmobond Lijmpasta TLZ

(Contd. of page 7)

· Transport/Additional information:	
· ADR/RID/ADN	5L
· Limited quantities (LQ)	Code: E1
· Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· Remarks:	In packsize up to 450 liter exempt from ADR according ADR 2.2.3.1.5.
· 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
· Remarks:	In packaging up to 30 litres exempt according to IMDG 2.3.2.5.
· UN "Model Regulation":	UN 1133 ADHESIVES, 3, III

SECTION 15: Regulatory information

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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I
None of the ingredients is listed.
- Seveso category
P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements
5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements
50,000 t
- 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

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· 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:

· Technical instructions (air):

Class	Share in %
NK	29.3

· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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

- Relevant phrases
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.

(Contd. on page 9)

**Safety data sheet
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(Contd. of page 8)

- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H360Fd May damage fertility. Suspected of damaging the unborn child.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.

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

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Flammable liquids	On basis of test data
Skin corrosion/irritation Serious eye damage/irritation Reproductive toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- Department issuing SDS:
- Contact:
- Date of previous version:
- Version number of previous version:
- Abbreviations and acronyms:

Research and Development
 Saïda El Asjadi, tel: +31 182 372177, e-mail: safety@de-ijssel-coatings.nl
 28.01.2022

36

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
 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
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 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)
 VOC: Volatile Organic Compounds (USA, EU)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1A: Skin sensitisation – Category 1A
 Repr. 1A: Reproductive toxicity – Category 1A
 Repr. 2: Reproductive toxicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 Asp. Tox. 1: Aspiration hazard – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
 Literature data and/or investigation reports are available through the manufacturer.

- Sources:
- * Data compared to the previous version altered.