

## SAFETY DATA SHEET

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

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#### 1.1. PRODUCT IDENTIFIER

Product name

**PARKETOLIT 1554B**



chemius.net/U7Hb9

#### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses

Adhesive for wood flooring - component B

Uses advised against

No information.

#### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier

MITOL, tovarna lepil, d.o.o., Sežana  
Address: Partizanska c. 78 Sežana, Slovenia  
Phone: +386 5 73 12 300  
Fax: +386 5 73 12 390  
E-mail: lilijana.kocjan@mitol.si  
Point of contact for safety info: Lilijana Kocjan Žorž

#### 1.4. EMERGENCY TELEPHONE NUMBER

112

+386 5 73 12 300 (8:00-16:00)

### SECTION 2. HAZARDS IDENTIFICATION

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#### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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

Acute Tox. 4; H302 Harmful if swallowed.  
Skin Corr. 1B; H314 Causes severe skin burns and eye damage.  
Skin Sens. 1; H317 May cause an allergic skin reaction.  
Eye Dam. 1; H318 Causes serious eye damage.  
STOT RE 2; H373 May cause damage to organs through prolonged or repeated exposure by ingestion.

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### 2.2 LABEL ELEMENTS

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



Signal word: **Danger**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure by ingestion.

P102 Keep out of reach of children.

P260 Do not breathe mist/vapours.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

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

#### 2.2.2. Contains:

benzyl alcohol (CAS: 100-51-6, EC: 202-859-9, Index: 603-057-00-5)

4,4'-methylenebis(cyclohexylamine) (CAS: 1761-71-3, EC: 217-168-8)

Methyleneoxide, polymer with benzenamine, hydrogenated (CAS: 135108-88-2, EC: 603-894-6)

2,4,6-tris(dimethylaminomethyl)phenol (CAS: 90-72-2, EC: 202-013-9, Index: 603-069-00-0)

#### 2.2.3. Special provisions

Special hazards are not known or expected.

### 2.3. OTHER HAZARDS

No information.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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### 3.1. SUBSTANCES

For mixtures see 3.2.

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### 3.2. MIXTURES

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
benzyl alcohol	100-51-6 202-859-9 603-057-00-5	10-30	Acute Tox. 4; H302 Eye Irrit. 2; H319 Acute Tox. 4; H332		01-2119492630-38
4,4'-methylenebis(cyclohexylamine)	1761-71-3 217-168-8 -	>10	Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin Sens. 1; H317 Eye Dam. 1; H318 STOT RE 2; H373		01-2119541673-38
Methyleneoxide, polymer with benzenamine, hydrogenated	135108-88-2 603-894-6 -	5-15	Acute Tox. 4; H302 Skin Corr. 1C; H314 Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Chronic 3; H412		01-2119983522-33
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2 202-013-9 603-069-00-0	5-10	Skin Corr. 1C; H314 Eye Dam. 1; H318		01-2119560597-27

## SECTION 4. FIRST AID MEASURES

### 4.1. DESCRIPTION OF FIRST AID MEASURES

#### General notes

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

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms develop and persist, seek medical attention. If victim is not breathing give artificial respiration. Seek medical help immediately.

#### Following skin contact

Immediately remove contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. Immediately obtain professional medical help!

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. After 5 minutes of rinsing, remove contact lenses, if present, and continue rinsing. Consult a physician immediately!

#### Following ingestion

Do not induce vomiting! Rinse mouth with water and drink a glass of water by sips! Immediately consult a doctor. Show the physician the safety data sheet or label.

### 4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

#### Inhalation

Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Negative effects can affect liver, kidney, and central nervous system.

#### Skin contact

Redness, ulcers, pain.  
May cause sensitisation by skin contact (symptoms: itching, redness, rashes).

#### Eye contact

Contact with eyes can cause severe injuries.  
Discomfort or pain, excessive blinking, lacrimation and redness, swelling of the conjunctiva.

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### Ingestion

Harmful to health.  
May cause nausea/vomiting and diarrhea.  
May cause abdominal discomfort.  
Causes corrosions in mouth, throat, digestive tract.

### 4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

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## SECTION 5. FIREFIGHTING MEASURES

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### 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 heating harmful vapours/gases can be generated. In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>). In the event of fire the following is released: nitrogen oxides (NOx).

### 5.3. ADVICE FOR FIREFIGHTERS

#### Protective actions

In case of fire do not breathe fumes/gases. Cool containers at risk with water spray. If possible remove containers from endangered area.

#### Special protective equipment for firefighters

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

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system. Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

#### 6.1.1. For non-emergency personnel

##### **Protective equipment**

Use personal protective equipment (Section 8).

##### **Emergency procedures**

Ensure adequate ventilation. Prevent access to unprotected personnel. Prevent access to unauthorised personnel. Do not use open fire and keep away all sources of ignition. No action shall be taken involving any personal risk or without suitable training. Do not breathe vapour or mist. Avoid contact with skin and eyes. Avoid contact with spilled product or contaminated surfaces.

#### 6.1.2. For emergency responders

Use personal protective equipment.

### 6.2. ENVIRONMENTAL PRECAUTIONS

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

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### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

#### 6.3.1. For containment

Dam the spillage.

#### 6.3.2. For cleaning up

Stop leak if without risk. Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor.

#### 6.3.3. Other information

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### 6.4. REFERENCE TO OTHER SECTIONS

See also Sections 8 and 13.

## SECTION 7. HANDLING AND STORAGE

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### 7.1. PRECAUTIONS FOR SAFE HANDLING

#### 7.1.1. Protective measures

##### **Measures to prevent fire**

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Take precautionary measures against static discharges.

##### **Measures to prevent aerosol and dust generation**

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##### **Measures to protect the environment**

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#### 7.1.2. 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. Wear suitable protective equipment; see Section 8. Remove contaminated clothes and wash them before reuse. Consider measures required in Section 8 of this safety data sheet. Refer to instructions on label and regulations for safety and health at work.

### 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

#### 7.2.1. Technical measures and storage conditions

Store in accordance with local regulations. Keep in cool and well ventilated area. Keep away from food, drink and animal feeding stuffs. Keep away from oxidizers, strong alkalies and acids. Storage temperature +5°C to 35°C.

#### 7.2.2. Packaging materials

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#### 7.2.3. Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking.

#### 7.2.4. Storage class

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#### 7.2.5. Further information on storage conditions

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### 7.3. SPECIFIC END USE(S)

#### **Recommendations**

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#### **Industrial sector specific solutions**

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. CONTROL PARAMETERS

##### 8.1.1. Occupational exposure limit values

No information.

##### 8.1.2. Information on monitoring procedures

BS EN 14042:2003 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. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

##### 8.1.3. DNEL/DMEL values

No information.

##### 8.1.4. PNEC values

No information.

#### 8.2. EXPOSURE CONTROLS

##### 8.2.1. 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. Avoid contact with eyes and skin. Do not breathe vapours/aerosols. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke while working. Keep away from direct sun-light or other heat sources and sources of ignition.

###### **Technical measures to prevent exposure**

Provide good ventilation and local exhaust in areas with increased concentration.

##### 8.2.2. Personal protective equipment

###### **Eye and face protection**

Tight fitting protective goggles (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.

###### **Skin protection**

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

###### **Respiratory protection**

Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387).

###### **Thermal hazards**

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##### 8.2.3. Environmental exposure controls

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

-	<b>Physical state:</b>	liquid
-	<b>Colour:</b>	brown
-	<b>Odour:</b>	amine like, like ammonia

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### Important health, safety and environmental information

-	<b>pH</b>	No information.
-	<b>Melting point/freezing point</b>	No information.
-	<b>Initial boiling point/boiling range</b>	No information.
-	<b>Flash point</b>	No information.
-	<b>Evaporation rate</b>	No information.
-	<b>Flammability (solid, gas)</b>	No information.
-	<b>Explosion limits (vol%)</b>	No information.
-	<b>Vapour pressure</b>	No information.
-	<b>Vapour density</b>	No information.
-	<b>Density</b>	No information.
-	<b>Solubility</b>	No information.
-	<b>Partition coefficient</b>	No information.
-	<b>Auto-ignition temperature</b>	No information.
-	<b>Decomposition temperature</b>	No information.
-	<b>Viscosity</b>	No information.
-	<b>Explosive properties</b>	No information.
-	<b>Oxidising properties</b>	No information.

### 9.2. OTHER INFORMATION

-	<b>Remarks:</b>	
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## SECTION 10. STABILITY AND REACTIVITY

### 10.1. REACTIVITY

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### 10.2. CHEMICAL STABILITY

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

### 10.3. POSSIBILITY OF HAZARDOUS REACTIONS

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### 10.4. CONDITIONS TO AVOID

No special precautions required. Consider the directions for use and storage. Does not decompose if used and stored as instructed. Avoid heating.

### 10.5. INCOMPATIBLE MATERIALS

Strong oxidising agents.  
Strong acids.  
Strong bases.

### 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. Carbon dioxide; Carbon monoxide.  
Nitrogen oxides.

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### 11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

##### (a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
benzyl alcohol (100-51-6)	oral	LD <sub>50</sub>	rat		1230 mg/kg		
benzyl alcohol (100-51-6)	inhalation	LC <sub>50</sub>	rat	4 h	> 4,178 mg/l	OECD 403	
benzyl alcohol (100-51-6)	dermal	LD <sub>50</sub>	rabbit		2000 mg/kg		
4,4'-methylenebis(cyclohexylamine) (1761-71-3)	oral	LD <sub>50</sub>	rat		625 mg/kg		
4,4'-methylenebis(cyclohexylamine) (1761-71-3)	dermal	LD <sub>50</sub>	rabbit		2110 mg/kg		
Methyleneoxide, polymer with benzenamine, hydrogenated (135108-88-2)	oral	LD <sub>50</sub>	rat		367 mg/kg		
Methyleneoxide, polymer with benzenamine, hydrogenated (135108-88-2)	dermal	LD <sub>50</sub>	rabbit		> 2000 mg/kg		
2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	oral	LD <sub>50</sub>	rat		2169 mg/kg		

**Additional information:** Harmful if swallowed.

##### (b) Skin corrosion/irritation

**Additional information:** Corrosive.

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

**Additional information:** Causes serious eye damage.

##### (d) Respiratory or skin sensitisation

**Additional information:** May cause an allergic skin reaction.

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

No information.

##### (f) Carcinogenicity

No information.

##### (g) Reproductive toxicity

No information.

##### Summary of evaluation of the CMR properties

No information.

##### (h) STOT-single exposure

No information.

##### (i) STOT-repeated exposure

**Additional information:** May cause damage to organs through prolonged or repeated exposure.

##### (j) Aspiration hazard

No information.



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### SECTION 12. ECOLOGICAL INFORMATION

#### 12.1. TOXICITY

##### 12.1.1. Acute (short-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
benzyl alcohol (100-51-6)	LC <sub>50</sub>	460 mg/L	96 h	fish	<i>Pimephales promelas</i>		
	IC <sub>50</sub>	700 mg/L	72 h	algae			
4,4'-methylenebis(cyclohexylamine) (1761-71-3)	LC <sub>50</sub>	> 100 mg/L	96 h	fish	<i>Leuciscus idus</i>		
	LC0	46 mg/L	96 h	fish	<i>Leuciscus idus</i>		
	EC <sub>50</sub>	6,84 mg/L	48 h	crustacea	<i>Daphnia magna</i>		
	EC <sub>50</sub>	140 – 200 mg/L	72 h	algae			
Methyleneoxide, polymer with benzenamine, hydrogenated (135108-88-2)	LC <sub>50</sub>	63 mg/L	96 h	fish	<i>Poecilia reticulata</i>		
	EC <sub>50</sub>	15,4 mg/L	48 h	crustacea	<i>Daphnia magna</i>		
	ErC <sub>50</sub>	43,9 mg/L	72 h	algae			
	EC <sub>50</sub>	187 mg/L	3 h	bacteria	Activated sludge		
2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	LC <sub>50</sub>	222 mg/L	24 h	fish	<i>Oncorhynchus mykiss</i>		
	LC100	240 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	LC0	180 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	EC <sub>50</sub>	718 mg/L	96 h	crustacea	<i>Palaemonetes</i>		
	EC <sub>100</sub>	1000 mg/L	96 h	crustacea	Neopanope		
	EC0	750 mg/L	96 h	crustacea	Neopanope		
	EC <sub>50</sub>	84 mg/L	72 h	algae	<i>Scenedesmus subspicatus</i>		
	NOEC	6,25 mg/L		algae			

##### 12.1.2. Chronic (long-term) toxicity

No information.

#### 12.2. PERSISTENCE AND DEGRADABILITY

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

No information.

##### 12.2.2. Biodegradation

No information.

#### 12.3. BIOACCUMULATIVE POTENTIAL

##### 12.3.1. Partition coefficient

No information.

##### 12.3.2. Bioconcentration factor (BCF)

No information.

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### 12.4. MOBILITY IN SOIL

#### 12.4.1. Known or predicted distribution to environmental compartments

No information.

#### 12.4.2. Surface tension

No information.

#### 12.4.3. 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**

Do not allow to reach ground water, water courses or sewage system.

## SECTION 13. DISPOSAL CONSIDERATIONS

### 13.1. WASTE TREATMENT METHODS

#### 13.1.1. Product / Packaging disposal

##### **Waste chemical**

Add appropriate amount B component to component A and mix well. The reaction is exothermic. Leave at least 1 day - mixture should become hard. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

##### **Packaging**

Deliver completely emptied containers to approved waste disposal authorities.

#### 13.1.2. Waste treatment-relevant information

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#### 13.1.3. Sewage disposal-relevant information

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#### 13.1.4. Other disposal recommendations

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## SECTION 14. TRANSPORT INFORMATION

### 14.1. UN NUMBER

UN 2735

### 14.2. UN PROPER SHIPPING NAME

AMINES, LIQUID, CORROSIVE, N.O.S. (Methyleneoxide, polymer with benzenamine, hydrogenated, 4,4'-methylenebis(cyclohexylamine))

### 14.3. TRANSPORT HAZARD CLASS(ES)

8

### 14.4. PACKING GROUP

III



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### 14.5. ENVIRONMENTAL HAZARDS

NO.

### 14.6. SPECIAL PRECAUTIONS FOR USER

**Limited quantities**

5 L

**Tunnel restriction code**

(E)

**IMDG EmS**

F-A, S-B

### 14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE

Goods may not be carried in bulk in bulk containers, containers or vehicles.

## SECTION 15. REGULATORY INFORMATION

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### 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

#### 15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

#### 15.1.2. 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

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#### Indication of changes

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#### 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

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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  
LC<sub>50</sub> - Lethal Concentration to 50 % of a test population  
LD<sub>50</sub> - 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

### Key literature references and sources for data

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### List of relevant H phrases

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H373 May cause damage to organs through prolonged or repeated exposure .
- H412 Harmful to aquatic life with long lasting effects.

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.