

## eco pur C component B

### Safety Data Sheet in accordance with Regulation EC 1907/2006 with amendments

Version: EN-1

Date of compilation: 25.06.2007

Date of revision: 30.01.2015

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

##### 1.1. Product identifier

**Trade name:** eco pur C component B

**Contains:**

4,4'-methylenediphenyl diisocyanate. Index No.: 615-005-00-9  
diphenylmethane diisocyanate (isomers and homologues). CAS: 9016-87-9

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

**Identified uses of the mixture:** Sealant for double glazing

**Uses advised against:** Undetermined.

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

**Supplier:** eco in spółka z ograniczoną odpowiedzialnością sp. k.  
ul. Powsińska 18  
02-920 Warszawa  
Tel.: +48 22 651 68 14  
Fax: +48 22 651 81 72  
e-mail: biuro@ecoin.pl

**E-mail of person responsible for Safety Data Sheet:** biuro@ecoin.pl

##### 1.4. Emergency telephone number

Tel.: + 48 22 651 68 14 (hours: 8 a.m. – 5 p.m., Monday - Friday) or 112 (24 h)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification according to Regulation (EC) No. 1272/2008, as amended.

**Carcinogenicity, Hazard Category 2 (Carc. 2).**

Suspected of causing cancer (H351).

**Acute toxicity (inhal.), Hazard Category 4 (Acute Tox. 4).**

Harmful if inhaled (H332).

**Specific target organ toxicity — repeated exposure, Hazard Category 2 (STOT RE 2).**

May cause damage to organs through prolonged or repeated exposure (Inhalation) (H373).

**Serious eye damage/eye irritation, Hazard Category 2 (Eye Irrit. 2).**

Causes serious eye irritation (H319)

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**Specific target organ toxicity — single exposure, Hazard Category 3, respiratory tract irritation (STOT SE 3).**

May cause respiratory irritation (H335).

**Skin corrosion/irritation, Hazard Category 2 (Skin Irrit. 2).**

Causes skin irritation (H315).

**Sensitisation, Hazard Category 1 (Resp. Sens. 1).**

May cause allergy or asthma symptoms or breathing difficulties if inhaled (H334).

**Skin Sensitisation, Hazard Category 1 (Skin Sens. 1).**

May cause an allergic skin reaction (H317).

**Classification according to Directive 1999/45/EC, as amended and Polish regulations.****Carcinogen, category 3.**

Limited evidence of a carcinogenic effect (R40).

**Harmful (Xn).**

Harmful by inhalation (R20).

Harmful: danger of serious damage to health by prolonged exposure through inhalation (R48/20)

**Irritant (Xi)**

Irritating to eyes, respiratory system and skin (R36/37/38)

May cause sensitization by inhalation and skin contact (R42/43).

**Adverse effects on human health:**

Significant concentrations of vapors or direct contact with eyes may cause irritation, redness, tearing, burning, conjunctivitis. Contact with skin may cause redness, itching, and dryness of the skin, inflammation. An allergic reaction may occur in a case of people who are allergic, even at very small quantities. Inhalation of vapors in high concentration may cause fatigue, weakness, drowsiness, nausea, headache, dizziness, sore throat. Repeated contact with the product vapors may cause respiratory allergic reactions (swelling, hoarseness, feeling of suffocation, cough). After ingestion of large amounts possible damage to the mucosa of the gastrointestinal tract, vomiting and diarrhea. Suspected of causing cancer.

**Adverse effects on the environment:**

The product does not pose a hazard on the environment, if used according to recommendations.

**Effects related to the physicochemical properties:**

The product does not pose a hazard arising from the physico-chemical properties.

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**2.2. Label elements****Labelling according to Regulation (EC) No. 1272/2008, as amended:****Hazard pictograms:****Signal Word:            Danger****Risk Phrases:**

H351 - Suspected of causing cancer

H332 - Harmful if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure (Inhalation)

H319 – Causes serious eye irritation

H315 – Causes skin irritation

H335 - May cause respiratory irritation

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H317 - May cause an allergic skin reaction

**Precautionary Statements:**

P201 - Obtain special instructions before use

P260 – Do not breathe vapours.

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

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302 + P352 - IF ON SKIN: Wash with plenty of water/soap.

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

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

**Additional labeling:**

Contains: diphenylmethane diisocyanate (isomers and homologues). ; 4,4'-methylenediphenyl diisocyanate.

**2.3. Other hazards**

The mixture does not meet the criteria for PBT and vPvB according to Regulation EC 1907/2006 (REACH), Annex XIII.

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#### SECTION 3: Composition/information on ingredients

### 3.2. Mixtures



**Product identifier:** eco pur C component B

**Contains:**

4,4'-methylenediphenyl diisocyanate. Index No.: 615-005-00-9

diphenylmethane diisocyanate (isomers and homologues). CAS: 9016-87-9

**Components:**

Substance name	Index No	CAS No	EC No	Mass fraction in %	Classification according to Directive 67/548/EEC			Classification according to Regulation (EC) nr 1272/2008	
					Hazard pictogram	Symbol	R-phrases	Hazard Class and Category Code(s)	Hazard statement Code(s)
diphenylmethane diisocyanate (isomers and homologues).	-	9016-87-9	618-498-9	< 35		Xn Xi	20 36/37/38  42/43	Acute Tox. 4 Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 Resp.Sens 1 Skin Sens 1	H351 H319 H335 H315 H334 H317
4,4'-methylenediphenyl diisocyanate (Methylenebis (phenyl isocyanate))	615-005-00-9	101-68-8	202-966-0	15 - 30		Carc. Cat. 3 Xn  Xi	40 20 48/20 36/37/38  42/43	Carc. 2 Acute Tox. 4 STOT RE 2 Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 Resp.Sens 1 Skin Sens 1	H351 H332 H373 H319 H335 H315 H317 H334

Full text of R-phrases, H-Statements and acronyms of symbols, hazard classes and codes of categories are given in section 16.

#### SECTION 4: First aid measures

### 4.1. Description of first aid measures

**After inhalation:**

Remove the victim from exposure, place in a comfortable reclining or sitting position, keep calm, protect against heat loss. If there are any problems with breathing, administer oxygen immediately. If symptoms persist, call a physician.

**After contact with skin:**

Wash off immediately with plenty of water. Remove contaminated clothing immediately. Wash off immediately contaminated skin with soap and water. If symptoms persist, seek medical advice.

**After contact with eyes:**

Rinse immediately thoroughly with plenty of water within 15 minutes. Remove contact lenses. If symptoms persist, seek medical advice.

**After ingestion:**

Don't induce vomiting. Rinse all traces of the product from the mouth. Summon a doctor immediately or contact your nearest Poison Center.

**4.2. Most important symptoms and effects, both acute and delayed**

Significant concentrations of vapors or direct contact with eyes may cause irritation, redness, tearing, burning, conjunctivitis. Contact with skin may cause redness, itching, and dryness of the skin, inflammation. An allergic reaction may occur in a case of people who are allergic, even at very small quantities. Inhalation of vapors in high concentration may cause fatigue, weakness, drowsiness, nausea, headache, dizziness, sore throat. Repeated contact with the product vapors may cause respiratory allergic reactions (swelling, hoarseness, feeling of suffocation, cough). After ingestion of large amounts possible damage to the mucosa of the gastrointestinal tract, vomiting and diarrhea. Suspected of causing cancer.

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

In the case of an allergic reaction (rash, swelling, symptoms of choking, coughing), seek medical advice immediately and show the label or SDS in order to apply appropriate antihistamines.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Foam, carbon dioxide, dry powder, water spray jet.

**Not suitable extinguishing media**

Full water jet.

**5.2. Special hazards arising from the substance or mixture**

In case of fires, hazardous combustion gases are formed: carbon oxides, nitrogen oxides, isocyanate vapours and traces of hydrogen cyanide.

**5.3. Advice for firefighters**

Wear protective equipment. Wear self-contained breathing apparatus.

EN 469 Protective clothing for firefighters. Performance requirements for protective clothing intended for fire fighting

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear required protective clothing. Remove unsecured and not involved in the removal of a failure persons from the danger zone. Avoid direct contact with the mixture. Avoid breathing vapors. The requirements for protective clothing for rescue teams: EN 943

### 6.2. Environmental precautions

Prevent from entering drains, surface waters, groundwater and soil. If necessary, inform the appropriate authorities.

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

If possible, plug or reduce the release of the product (seal damaged container, place in other container).

Released product collect mechanically to suitable container for disposal. Rest of the product cover with moist, liquid-binding material (eg. wood flour, an agent based on hydrated calcium silicate binder chemicals, sand).

After about 1 hour, collect to waste container. Do not close (CO<sub>2</sub> releases !). Keep in moist condition to stand for several days in a protected spot outdoors.

Keeping in moist state leave for several days in a protected place outdoors.

Protect sink basins. If possible and safe stem or reduce the release of the product (tight, damaged container put in other container). Collect the released product mechanically in suitable container for disposal. Overwhelm the rest of the layer with binding and moist material (eg. sawdust, agents based on calcium silicate hydrate which binds chemicals, sand). After approximately one hour collect waste to a container. **Do not close (CO<sub>2</sub> is released!)**. Maintaining at this moist state leave for a few days in a secure place in the open air.

### 6.4. Reference to other sections

Information regarding waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Provide adequate general and local ventilation. Keep away from sources of heat and ignition. Take precautions when working with a mixture to avoid contact with skin and eyes. Do not breathe vapors. Protect from entering drains, surface and ground water and soil. Do not eat, drink or smoke during work. Wash hands during breaks and after work. Remove immediately all contaminated clothing, wash before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in original, properly labeled containers, in a cool, dry, well-ventilated storage area at temperature range 15– 30°C, due to the quality. Incompatible with strong acids, amines, alcohols and oxidizing agents. Protect from moisture. Suitable packaging material: stainless steel or mild steel. Inadequate packaging material: copper, copper alloys and galvanized surfaces. Storage time: max. 6 months.

### 7.3. Specific end use(s)

No further recommendations.

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

##### 8.1. Control parameters

###### For Poland:

Regulation of the Minister of Labour and Social Policy of 6 June 2014 on maximum permissible concentration and intensity of harmful factors in the work environment (Dz.U.2014.0.817).

Substance	CAS No.	parameter	value	unit
Methylenebis (phenyl isocyanate)	101-68-8	NDS	0,03	mg/m <sup>3</sup>
		NDSCh	0,09	mg/m <sup>3</sup>

There is no indicative occupational exposure limit values for this substance, but observe control parameters if were designated in a country, where the product is used.

###### DNEL/DMEL values

DNEL/DMEL values are not available.

###### PNEC values

PNEC values are not available.

##### 8.2. Exposure controls

###### 8.2.1 Appropriate engineering controls

General ventilation and local exhaust ventilation is necessary to remove vapors from places of emission. In case of insufficient ventilation wear respiratory protection. Ensure eye bath.

Recommended procedures for monitoring air quality in the workplace: EN 689.

###### 8.2.2. Individual protection measures, such as personal protective equipment



**Eye protection:** safety goggles  
Requirements for eye protection: EN 166.



**Hand protection:** Gloves made of nitrile rubber (thickness  $\geq 0,35$  mm, breakthrough time  $\geq 480$  min), butyl rubber (thickness  $\geq 0,5$  mm, breakthrough time  $\geq 480$  min), fluorine rubber (thickness  $\geq 0,4$  mm, breakthrough time  $\geq 480$  min), PVC (thickness  $\geq 0,5$  mm, breakthrough time  $\geq 480$  min), polychloroprene (thickness  $\geq 0,4$  mm, breakthrough time  $\geq 480$  min). The requirements for the protection of hands: EN 374.



**Skin protection:** Wear protective clothing made of natural materials (cotton) or synthetic fibers. The requirements for protective clothing: EN 943.



**Respiratory protection:** In a case of exceeding the permissible concentrations of vapors use respiratory protection with filter marked with white color and a symbol of P2 and filter marked with brown color and the letter A. You can apply filters combined AP. Requirements for respiratory protection equipment: EN 133.

**Hygiene at work:** observe general rules of industrial hygiene. Do not exceed workplace environment allowable concentrations. Take off contaminated clothing after work. Wash hands and face before breaks at work. Wash the entire body after work. Do not eat, drink or smoke while working.

### 8.2.3. Environmental exposure controls

Prevent from entering drains, surface waters, groundwater and soil. Determine procedures to follow in case of failure.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance:</b>	black paste or liquid
<b>Odour:</b>	soft characteristic for used components
<b>Odour threshold:</b>	no data available for the mixture
<b>pH:</b>	no data available for the mixture
<b>Melting point/ freezing point:</b>	no data available for the mixture
<b>Flash point:</b>	> 200 °C (method DIN 51758)
<b>Evaporation rate:</b>	no data available for the mixture
<b>Flammability:</b>	mixture is flame resistant
<b>Upper/lower flammability or explosive limits:</b>	does not applicable (mixture does not pose a risk of explosion).
<b>Vapour pressure:</b>	< 0,0003 hPa (20°C)
<b>Vapour density:</b>	not determined
<b>Relative density:</b>	1,12 +/- 0,1 g/cm <sup>3</sup> , water =1 (20°C)
<b>Solubility:</b>	reacts with water
<b>Partition coefficient: n-octanol/water:</b>	not determined
<b>Auto-ignition temperature:</b>	460° C (method: DIN 51794)
<b>Decomposition temperature:</b>	no data available for the mixture
<b>Viscosity (kinematic):</b>	no data available for the mixture
<b>Explosive properties:</b>	no risk of explosion.
<b>Oxidizing properties:</b>	no data available for the mixture

### 9.2. Other information

No other data.



**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

In recommended conditions of storage and handling as intended - no reactivity.

**10.2. Chemical stability**

Under recommended conditions of handling and storage the product is stable.

**10.3. Possibility of hazardous reactions**

The product reacts with amines and alcohols with evolution of much heat. These reactions may be enhanced by mixing or at elevated temperatures or in the presence of solvents. The product reacts slowly with water with release of carbon dioxide, which can cause pressure increase in the container and can burst. Diphenylmethane diisocyanate is insoluble in water, sinks to the bottom, the reaction occurs at the interface. It creates a layer of insoluble urea derivatives at the interface and carbon dioxide releases.

**10.4. Conditions to avoid**

Moisture, temperatures < 15°C and >30 °C.

**10.5. Incompatible materials**

Acids, bases, alcohols, amines and strong oxidizing agents. Unsuitable packaging materials: copper, copper alloys and galvanized surfaces.

**10.6. Hazardous decomposition products**

There are no known.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity:**

Harmful by inhalation.

<b>Ingredient</b>	<b>CAS No.</b>	<b>Dose</b>	<b>value</b>	<b>unit</b>
<b>Diphenylmethane diisocyanate (isomers and homologues)</b>	9016-87-9	LD50 - oral, rat	>10	g/kg
		LD50 – dermally rabbit	>9400	mg/kg
<b>4,4'-methylenediphenyl diisocyanate</b>	101-68-8	LD50 – oral rat, female	15000	mg/kg
		LD50 – oral mouse	> 2200	mg/kg
		LD50 – skin rabbit	>5000	mg/kg
		LD50 – inhalation rat	370	mg/l/4h

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**Skin corrosion / skin irritation:**

Irritating to the skin.

**Serious eye damage / eye irritation:**

Irritating to eyes.

**Sensitizing effects on the respiratory system or skin:**

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

**Mutagenic effects on reproductive cells:**

Based on available data, the classification criteria are not met.

**Carcinogenicity:**

Suspected of causing cancer.

**Reproductive toxicity:**

Based on available data, the classification criteria are not met.

**Toxic effects on target organs - single exposure:**

May cause respiratory irritation.

**Toxic effects on target organs - repeated exposure:**

May cause damage to organs through prolonged or repeated exposure (inhalation).

**Aspiration hazard:**

Based on available data, the classification criteria are not met.

Based on the properties of isocyanates and products which contain them, it is believed that the product may cause severe irritation and allergic reactions of skin and respiratory system. People with asthma, chronic respiratory diseases shouldn't work with the product. Repeated exposure may cause permanent lung damage. There are possible delayed symptoms - difficulty breathing, coughing.

### SECTION 12: Ecological information

**12.1. Toxicity**

Based on available data, the classification criteria are not met.

**Acute toxicity:**

Ingredient	CAS No.	Dose	value	unit
<b>Diphenylmethane diisocyanate (isomers and homologues)</b>				
	9016-87-9	LC50 - fish ( <i>Brachydanio rerio</i> )	>500	mg/l (24h)
		LC50 - invertebrates ( <i>Daphnia magna</i> )	>500	mg/l (24h)
<b>4,4'-methylenediphenyl diisocyanate</b>				
	101-68-8	LC50 - fish ( <i>Brachydanio rerio</i> )	>1000	mg/l (96h)
		EC50 - invertebrates ( <i>Daphnia magna</i> )	>1000	mg/l (24h)
		EC50 - bacteria	>100	mg/l (3h)

**12.2. Persistence and degradability**

In reaction with water the product is converted to the phase boundary into solid, and insoluble substance (polyurea). At the same time carbon dioxide is formed. This reaction is intensified in the presence of strong surface-active substances (eg. liquid soap) and water soluble solvents.

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Diphenylmethane diisocyanate, isomers and homologues: biodegradability 0% (28 days)

#### 12.3. Bioaccumulative potential

Partition coefficient octanol/water (Kow): No data available.

Bioconcentration factor (BCF): No data available.

#### 12.4. Mobility in soil

No data available for the mixture.

#### 12.5. Results of PBT and vPvB assessment

Mixture does not meet the criteria for PBT and vPvB.

#### 12.6. Other adverse effects

No data available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Do not dispose as household waste, do not empty into drains. Do not allow contamination of groundwater and surface water. Empty thoroughly containers. Disposable packaging (after thorough cleaning) recycle. Remove the product and its container in a safe way. Be careful when handling empty containers that have not been thoroughly cleaned.

#### Community law:

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, as amended.

Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste, as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste, as amended.

#### Polish law:

The Act of 14 December 2012 on waste (O.J.2013.0.21), as amended.

The Act of 13 June 2013 on packaging and packaging waste (O.J.2013.0.888).

Regulation of the Minister of the Environment of 9 December 2014 on the catalogue of wastes, (O.J.2014.0.1923)

Proclamation of the Marshal of the Polish Sejm on 4 September 2014 on publication of the consolidated text of the law on obligations of entrepreneurs in the field of management of certain wastes and on product fee, (O.J.2014.0.1413).

### SECTION 14: Transport information

The product is **not** classified as dangerous material as defined in national and international transport regulations concerning the transport of dangerous goods.

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**ADR/RID/ADN, IMDG, IATA****14.1.-14.4** Not applicable.**14.5. Environmental hazards**

The product does not pose a risk to the environment in accordance with the criteria in the UN Model Regulations.

**14.6. Special precautions for user**

Always transport in closed containers and properly secured. Ensure that persons transporting the product know what to do in case of failure.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) 1907/2006 of the European Parliament and the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Regulation Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 and Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000 / 21/WE (Official Journal of the European Union, series L No 396 of 30 December 2006), as amended.

REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (EC) No 1272/2008 of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union, series L No 353 of 31 December 2008 ), as amended.

Act of 25 February 2011 on chemical substances and their mixtures (Dz.U.2011.63.322).

Regulation of the Minister of Health of 10 August 2012 on the criteria and classification of chemical substances and mixtures (Dz.U.2012.0.1018), as amended. Regulation of the Minister of Economy of 21 December 2005 on the basic requirements for personal protective equipment (Dz.U.2005.259.2173). Regulation of the Minister of Health of 30 December 2004 on occupational health and safety related to occurrence of chemical agents at work

(Dz.U.2005.11.86), as amended. Regulation of the Minister of Health on 2 February 2011 on the tests and measurements of harmful factors in the work environment (Dz.U.2011.33.166).

Regulation of the Minister of Labour and Social Policy of 14.03.2000 r on occupational health and safety in transport manual handling (Dz.U.2000.26.313), as amended.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment was done for this product.

**SECTION 16: Other information**

**The full text of R-phrases, H-Statements and acronyms of symbols, hazard classes and codes of categories given in section 3:**

R20 Harmful by inhalation  
 R36/37/38 Irritating to eyes, respiratory system and skin  
 R40 Limited evidence of a carcinogenic effect  
 R42/43 May cause sensitization by inhalation and skin contact  
 R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation

Carc. Cat. 3 Carcinogenic, category 3.

Xn Harmful.

Xi Irritant.

H332 Harmful if inhaled  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
 H317 May cause an allergic skin reaction  
 H315 Causes skin irritation  
 H319 Causes serious eye irritation  
 H335 May cause respiratory irritation  
 H351 Suspected of causing cancer  
 H373 May cause damage to organs through prolonged or repeated exposure (Inhalation).

Carc. 2 Carcinogenic, category 2.

Acute Tox. 4 Acute toxicity (inhalation), category 4.

Resp. Sens. 1 Sensitisation, Hazard Category 1

Skin Sens. 1 Skin Sensitisation, Hazard Category 1

Eye Irrit. 2 Serious eye damage/eye irritation, category 2

Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2

STOT RE 2 Specific target organ toxicity — repeated exposure, Hazard Category 2

STOT SE 3 Specific target organ toxicity — single exposure, Hazard Category 3, respiratory tract irritation

**Recommendations for staff training**

As a minimum a safety training at work is recommended. Prior to working with the product the user is required to know the safety rules for safe handling with chemicals, and above all, hold appropriate workplace training.

**Reason for revision: Section 2: Hazard Identification**

**Changes:** subsection 3.2, subsection 4.1, subsections: 4.2, 4.3, 5.3, 6.1, 7.1, 7.2, 8.1, section 8.2, subsection 9.1, subsection 11.1, subsection 12.1, subsection 13.1, subsection 15.1, section 16.

This Safety Data Sheet is not a quality certificate of the product. The information contained herein should be considered only as a help in safe handling the product in transportation,



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distribution use and storage. The information contained herein apply only to the product and its specific identified uses. They may not be proper or sufficient for the product used in combination with other materials or in other applications than those listed in this Safety Data Sheet. The user of the product is obliged to comply with all applicable standards and regulations, and responsibility resulting from improper use of information contained herein.