

## SAFETY DATA SHEET

According to Regulations 1907/2006/EC, 1272/2008/EC and 2015/830/EU

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

#### 1.1. Product identifier **METABOND OLD SPEZIAL engine oil additive**

Packaging: 250 ml, 5 L

**1.2. Relevant identified use of mixture:** lubricating oil additive for worn, four stroke petrol, diesel and gas engines  
**Uses advised against:** used other than above mentioned

#### 1.3. Details of the supplier of the safety data sheet: **Metabond Magyarország Kft.**

Address: H-9030 GYŐR, Szigligeti Ede út 5. Hungary

Phone/Fax: 00 36 96 332738, Cell Phone: 00 36 70 271 9575

e-mail: [metabond@metabond.hu](mailto:metabond@metabond.hu), website: [www.metabond.hu](http://www.metabond.hu)

**E-mail address of the person responsible for the safety data sheet:** [metabond@metabond.hu](mailto:metabond@metabond.hu)

#### 1.4. Emergency telephone number: Poison Centers in EU<sup>1</sup>:

Austria: +43 1 406 43 43	Belgium: +32 70 245 245	Bulgaria: +359 2 9154 409
Croatia: +385 1 2348 342	Cyprus: +357 22405611	Czech Republic: + 420 22 49 192 93, +420 22 49 15402
Denmark: +45 82 12 12 12	Estonia: +372 62 69 379	Finland: +358 9 471 977
France: +33 1 45 42 59 59	Germany: Berlin: +49 30 19240, Göttingen: +49 551 19 240, Bonn: +49 228 19240, Homborg: +49 6841 19240, Erfurt: +49 361 730 730, Mainz: +49 131 19240, Freiburg: +49 761 19240,	
Munich: +49 89 19240	Greece: +30 21 07 79 37 77	Hungary: + 36 80 201 199 and +36 1 476 6464
Ireland: +353 1 809 2566 & +353 1 809 2166		Italy: +39 06 305 43 43 and +39 02 7610037
Latvia: +371 670 32 600	Lithuania: +370 85 236 2052	Luxemburg: +352 70 245245
Netherlands: +31 30 274 88 88	Poland: +48 22 619 6654	Portugal: +351 210 984 453
Romania: +40 21 318 3606 and +40 21 230 8000		Slovakia: + 421 2 54 652 307
Slovenia: +386 1 400 60 51	Spain: +34 91 562 04 20	Sweden: +46 8 33 12 31 or 112
Iceland: +354 543 2222 and +354 543 1000	Norway: +47 22 59 13 00	

### Section 2: Hazard identification

**2.1. Classification of the mixture:** the product is a **hazardous mixture/product** according to manufacturer and the 1272/2008/EC (CLP) regulation and its modifications.


**Health hazard:** Skin Sens. 1, H317; Eye Irrit. 2, H319

**Environmental hazard:** Aquatic Chronic 3, H412

**Physical hazard:** classification is not necessary

Abbreviations and full text of H statements are in Section 16.

#### 2.2. Label elements

 <b>WARNING</b>	<p><b>Hazard statements:</b></p> <p>H317 May cause an allergic skin reaction.  H319 Causes serious eye irritation  H412 Harmful to aquatic life with long lasting effects.</p> <p><b>Precautionary statements:</b></p> <p>P102 Keep out of reach of children.  P103 Read label before use.  P273 Avoid release to the environment.  P280 Wear protective gloves/protective clothing/eye protection/face protection.  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P302+P352 IF ON SKIN: Wash with plenty of soap and water.  P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  P331 Do NOT induce vomiting.  P501 Dispose of contents/containers according to local requirements.</p>
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**Components responsible for hazard:** benzenesulfonic acid, mono-C16-24-alkil derivs., calcium salts, phosphorodithioic acid, mixed O,O-bis(1,3-dimetyl-butyl and iso-propyl)esters, zinc salts

**2.3. Other hazards** PBT and vPvB assessment: not applicable, no data.

<sup>1</sup> Link to emergency telephone numbers of Poison Centers in member states: <https://echa.europa.eu/hu/support/helpdesks>

According to Annex XVII of REACH and its modification there is no restriction on use and making available of the product on the market.

### Section 3: Composition/information on ingredients

**3.1. Substances:** not relevant

**3.2. Mixtures:** additives in mineral and synthetic base oils

Hazardous components		Conc.	Hazard class, category and H statements
4,4'-methylene bis(dibutylthiocarbamate)* EC No.: 233-593-1 CAS No.: 10254-57-6 REACH Reg. No.: 01-2119708416-41		20 – 25%	Aquatic Chronic 4, H413
Branched hexatriacontane EC No.: 417-070-7 CAS No.: 151006-62-1 Index No.: 601-064-00-8, REACH Reg. No.: 01-0000016388-62		< 20%	Aquatic Chronic 4, H413
mixture	Lubricating oils (petroleum), C <sub>24-50</sub> , solvent-extd., dewaxed hydrogenated EC No.: 309-877-7 CAS No.: 101316-72-7 Index No.: 649-530-00-X, REACH Reg. No.: 01-2119489969-06	10 – 20%	EU classification of components: Carc. 1B, H350 (L) Manufacturer's classification of mixture: Asp. Tox. 1, H304
	Lubricating oils (petroleum), C <sub>18-40</sub> , solvent-dewaxed hydrocracked distillate-based EC No.: 305-594-8 CAS No.: 94733-15-0 Index No.: 649-506-00-9, Reg. No.: 01-2119486987-11	5 – 10%	
mixture	Mineral oil**	10 – 15%	Asp. Tox. 1, H304
	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethyl-butyl and isopropyl)esters, zinc salts EC No.: 283-392-8 CAS No.: 84605-28-8 REACH Reg. No.: 01-2119493626-26	1 – 3%	Eye Dam. 1, H318, Skin Irrit. 2, H315, Aquatic Chronic 2, H411
	Benzenesulfonic acid, mono-C16-24-alkil derivs., calcium salts*** EC No.: 274-263-7 CAS No.: 70024-69-0 REACH Reg. No.: 01-2119492616-28	1 – 3%	Skin Sens. 1B, H317
	Olefin sulfide Patented, manufacturer's secret	< 2%	Aquatic Chronic 3, H412

(L) The carcinogen classification is not supposed to be applied if the material is less than 3% and it can be detected. IP 346, according to the definition of PCA (Polycyclic Aromatics) contains DMSO extracts in the unused lubricating base oils and asphaltene free petroleum fractions measured by the dimethyl sulfoxide extraction refractive index method (Institute of Petroleum, London). This note refers only to some complex of oil derivatives shown in Part 3 of Annex VI. of Reg. 1272/2008/EC.

\* No harmonized EU classification exists, it is classified by the EU; classified by manufacturer.

\*\* Mixture, it can contain one or more from the following referring to the given mineral oil:

EC No.: 265-157-1, REACH Reg. No: 01-2119484627-25, distillates, (petroleum), hydrotreated heavy paraffinic

EC No.: 265-169-7, REACH Reg. No.: 01-2119471299-27, distillates (petroleum), solvent-dewaxed heavy paraffinic

EC No.: 265-158-7, REACH Reg. No.: 01-2119487077-29, distillates (petroleum), hydrotreated light paraffinic

EC No.: 265-159-2, REACH Reg. No.: 01-2119480132-48, distillates (petroleum), solvent dewaxed light paraffinic

\*\*\* There is no harmonized EU classification, according to the majority of ECHA notifications the specific concentration limit of the skin sensitizing effect:  $10\% \leq c \leq 100\%$ , this is not pointed in data sheet of the manufacturer.

No other dangerous component is listed. The other components of the product are not hazardous, or their concentrations are low enough not to be taken into consideration in the classification and labeling of the product according to the relevant EC directives, regulations. H statements relate to pure components, hazard classification of the product is given in Section 2. Full texts of, H statements and hazard classes, codes are listed in section 16.

### Section 4: First Aid measures

#### 4.1. Description of first aid measures

**General advice:** Immediately move victim away from the source of exposure. Take off contaminated shoes, and clothing and they should be cleaned before reuse. Never give drink and never induce vomiting if the victim is unconscious or suffers from convulsions. **Fast and professional first aid measures can largely diminish progress and severity of the symptoms.**

**Inhalation:** If inhaled, move victim to fresh air, loose tight clothing, keep victim in rest. If breathing stops, immediately provide artificial respiration and call a physician.

**Skin contact:** Remove contaminated clothing and shoes. Gently and thoroughly wash the contaminated skin with running water and soap. If symptoms persist consult a doctor.

**Eye contact:** Immediately flush eyes with large amount of water at least for 10 minutes while holding the eyelids wide open and moving the eyeballs. Remove contact lenses if present and easy to do it. If symptoms persist, contact an eye specialist.

**Ingestion:** DO NOT INDUCE VOMITING. Rinse mouth cavity with water. Seek medical attention immediately. Pay special attention to spontaneous vomiting that vomit mixed with the substance do not get into airways and lungs. If vomiting occurs, keep person's head lower than hip to prevent pulmonary aspiration.

**4.2. Most important symptoms and effect, both acute and delayed:** If in eyes, or on skin, it may cause irritation, it can cause delayed skin sensitization. If swallowed, nausea, and diarrhea may happen.

**4.3. Indication of any immediate medical attention and special treatment needed:** If toxic symptoms develop or suspicion of intoxication occurs, stop the work and provide first aid and then seek medical advice immediately. Show the label and safety data sheet of the product. **Note to the physician:** Treat symptomatically.

## Section 5: Fire-fighting measures

**5.1. Extinguishing media:** water spray, water fog, foam, dry powder, carbon dioxide

**Unsuitable extinguishing media:** A strong water jet can contribute to the splashing of the burning liquid and thus to the spread of fire.

**5.2. Special hazard arising from the mixture:** The product is combustible. Carbon monoxide, unidentified organic and inorganic toxic smokes/gases can evolve (carbon oxides, sulfur oxides, phosphorus oxides, soot, etc.) during the incomplete combustion.

**5.3. Advice for firefighters:** Wear self-contained breathing apparatus, and full protective gear. Fire should be handled as a chemical fire. Remove unauthorized persons. In case of large fire the contaminated fire-fighting water and remains of fire should be disposed in compliance with the local regulations. Do not allow fire fighting water to enter sewer.

**5.4. Other information:** If it can be done safely, remove the product from fire area. If it's not possible, keep containers cool by spraying with water.

## Section 6: Accidental release measures

**Remove all ignition sources, turn off all the electrical devices! Ensure appropriate ventilation.**

**6.1. Personal precautions, protective equipment and emergency procedure:** Personal protective equipment is required (protective gloves and safety glasses). See Section 8.

**6.2. Environmental precautions:** Prevent spilled material from entering sewers, drains, and natural waterways. Waste handling and disposal must be performed only in accordance with local environmental regulations.

**6.3. Methods and material for containment and cleaning up:** In the event of a major spillage, absorb large quantities of product into inert, non-combustible material with extreme absorbing properties, such as sand, universal absorbent, silica, earth. Keep contaminated absorbent in labeled containers, keep it closed and dispose according to local regulations. Normal cleaning processes can eliminate small amounts of the product or residues.

**6.4. Reference to other sections:** see also Sections 8 and 13.

## Section 7: Handling and storage

**7.1. Precautions of safe handling:** Container must be opened and handled with care. Keep away from open fire and any other sources of ignition – no smoking. Avoid any type of exposure to the product (ingestion, contact with skin and eyes, inhalation, etc.). Before eating, drinking, smoking and at the end of the work wash hands and the entire skin surface exposed to the product with mild soap and water. Contaminated and impregnated clothing must be taken off, and people exposed to the product must wash thoroughly with hot water and soap.

**7.2. Conditions for safe storage, including any incompatibilities:** Keep away from any source of ignition, open flames, radiant heat, sunlight and frost. It must be kept in cool, dry, well-ventilated place. Keep it in original container, tightly closed, and separated from co-oxidants, foodstuff, drink, and feeding stuffs. Recommended temperature for storage: below 40°C. It should be kept out of reach of children and unauthorized persons.

**7.3. Specific end use:** Lubricating oil additive for worn, four stroke, petrol, diesel and gas engines of passenger cars, commercial vehicles, and other equipment (earth-moving machines, engines, etc.). Users are supposed to read label of the product carefully and to follow instruction of the label about the safe handling.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Oil mist:** MK<sup>2</sup>: 5 mg/m<sup>3</sup> – EüM–SzCsM Decree No 25/2000. (IX.30.) – Hungarian limit value

<sup>2</sup> MK: maximum concentration which can be permitted in the air of the working place at a shift for working period of life (18 - 62 years) with ≤1:105 /year risk (10 microrisk/year) of getting disease (cancer) to cause death.

**Mineral oil mist:** TWA<sup>3</sup>: 5mg/m<sup>3</sup>, STEL<sup>4</sup>: 10 mg/m<sup>3</sup> (NIOSH, OSHA, ACGIH)<sup>5</sup>

Analytical method for oil mist mineral: NIOSH 5026, <http://www.cdc.gov/niosh/docs/2003-154/pdfs/5026.pdf>

**DNEL (Derived No Effect Level) values for professional users:**

Lubricating oils (petroleum)

DNEL (long term inhalation, systemic effect): 2.7 mg/m<sup>3</sup>

DNEL (long term inhalation, local effect): 5.6 mg/m<sup>3</sup>

DNEL (long term dermal exposure, systemic effect): 1 mg/kg bw/day

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethyl-butyl and iso-propyl)esters, zinc salts

DNEL (long term inhalation, systemic effect): 8.31 mg/m<sup>3</sup>

DNEL (long term dermal exposure, systemic effect): 12.1 mg/kg bw/day

Benzenesulfonic acid, mono-C16-24-alkil derivs., calcium salts

DNEL (long term inhalation, systemic effect): 11.75 mg/m<sup>3</sup>

DNEL (long term dermal exposure, systemic effect): 3.33 mg/kg bw/day

DNEL (long term dermal exposure, local effect): 1.03 mg/cm<sup>2</sup>

**PNEC (Predicted No Effect Concentration):**

Lubricating oils (petroleum)

PNEC (oral secondary poisoning): 9.33 mg/kg food

Phosphorodithioic acid, mixed O,O-bis(1,3-dimethyl-butyl and iso-propyl)esters, zinc salts

PNEC (fresh water): 4 µg/L, PNEC (marine water): 4.6 µg/L, PNEC (STP): 100 mg/L,

PNEC (fresh water sediment): 0.022 mg/kg, PNEC (marine sediment): 0.002 mg/kg,

PNEC (soil): 0.002 mg/kg, PNEC (oral secondary poisoning): 10.67 mg/kg food

Benzenesulfonic acid, mono-C16-24-alkil derivs., calcium salts

PNEC (fresh water and marine water): 1 mg/L, PNEC (STP): 1000 mg/L,

PNEC (fresh water and marine sediment): 226 000 000 mg/kg, PNEC (soil): 271 000 000 mg/kg,

PNEC (oral secondary poisoning): 16.667 mg/kg food

**8.2. Exposure control**

**Appropriate engineering control**

- Ensure sufficient ventilation if it used in closed area.
- Provide appropriate personal protective equipment and washing facilities.

**Hygiene measures**

- Do not eat, drink or smoke when handling.
- Wash hands thoroughly after handling and before breaks.
- Take off the contaminated clothes.

**Individual Protection Measures as Personal Protective Equipment**

- **Hand protection:** Oil resistant protective gloves are recommended. Breakthrough time: >480 minutes, grade:6, penetration: 0. The breakthrough factor and breakthrough time of the gloves, and its durability can vary from manufacturer to manufacturer so it is worth testing them before choosing them for a certain activity.
- **Respiratory protection:** not necessary if it is used in a well-ventilated area. Concentration of hazardous substances should be below the occupational exposure limit, if it is higher wear suitable respirator/mask against organic vapors to provide adequate protection.
- **Eye protection:** Not necessary. If splashing is possible, in the event of industrial operations, decontamination or while transferring large volumes, the use of protective glasses is necessary.
- **Skin protection:** appropriate working clothes are recommended

**8.3. Environmental Exposure Controls:** avoid release into sewers, drains, and natural waterways.

The information above relate to professional and intended use in average circumstances. If operation is done in different or exceptional circumstances, you should consult an expert to decide on additional necessary actions and personal protective equipment.

**Section 9: Physical and chemical properties**

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

Physical state:	liquid
Color:	brown, shiny
Odor:	characteristic, not unpleasant

<sup>3</sup> TWA: Time Weighted Average, 8-hour average permissible concentration for work

<sup>4</sup> STEL: Short Term Exposure Limit: Short term permissible concentration (15 minutes)

<sup>5</sup> <http://www.cdc.gov/niosh/npg/npgd0472.html>

Odor threshold:	no data
Flash point:	160°C (MSZ EN ISO 2592)
Density (20°C):	no data
Kinematic viscosity (40 °C)	185.6 mm <sup>2</sup> /s (MSZ EN ISO 3104)
(100°C)	22.05 mm <sup>2</sup> /s (MSZ EN ISO 3104)
Solubility in water:	insoluble
pH:	not applicable
Solubility on other solvents:	benzene, toluene, petroleum etc.
Freezing-point:	no data
Boiling point:	no data
Inflammability:	not relevant
Explosive limits:	no data
Vapor pressure:	negligible at 20°C
Evaporation rate:	no data
Solubility:	no data
Log K <sub>ow</sub> :	no data
Auto-ignition temperature:	no data
Decomposition temperature:	no data
Explosive properties:	not explosive
Oxidizing properties:	no data

**9.2. Other information:** not available

## Section 10: Stability and reactivity

**10.1. Reactivity:** If it is handled and stored properly no chemical reaction, no hazardous polymerization takes place.

**10.2. Chemical stability:** Stable if it is handled, stored according to user's instructions.

**10.3. Possibility of hazardous reactions:** not expected

**10.4. Conditions to avoid:** extreme heat, direct sunlight, open flames, frost

**10.5. Incompatible material:** strong oxidizers (chlorates, nitrates, peroxides, oxygen), strong alkali, acids

**10.6. Hazardous decomposition products:** In case of fire carbon oxides, sulphur oxides, other sulphur containing gas/vapor.

## Section 11: Toxicological information

**11.1. Information on toxicological effects of the product:** no investigation was performed with this product. Assessment of toxicological properties is based on data and classification of components and classification criteria of CLP regulation.

**Acute toxicity:** (oral, dermal, inhal.): No data available. Based on the information available, the criteria for classification as acute toxicity hazard classes are not met, the product is not classified.

**Skin corrosion/irritation:** No data available. Based on available data of the components the classification criteria are not met, the product is not classified.

**Serious eye damage/eye irritation:** Based on available data of the components classification criteria are met. It causes eye irritation. Classification: Eye Irrit. 2.

**Respiratory or skin sensitization:** The classification criteria are met based on the composition of the product. Sensitizing ingredient (benzenesulfonic acid, mono-C16-24-alkil derivs., calcium salts) may cause allergic reaction.

**Carcinogenicity, germ cell mutagenicity, reproductive toxicity** cannot be expected as the base oils contain less than 3% DMSO extracts (IP346) and is not classified as carcinogen according to Annex VI., 1272/2008/EC regulation, see Section 3.

**Specific target organ toxicity** (single or repeated exposure): No data available. Based on information on the components of the product the classification criteria are not met.

**Aspiration toxicity:** Due to the composition and viscosity of the product it is not classified as a mixture causing aspiration toxicity.

## Section 12: Ecological information

**12.1. Toxicity:** No investigation was performed with this product. The assessment of eco-toxicological properties is based on data of components and classification criteria of CLP regulation: Harmful to aquatic life with long lasting effects.

**Toxicological data of the components:**4,4'-methylene-bis(dibutylthiocarbamate) (CAS: 10254-57-6):

LC<sub>50</sub> (fish): 0.06 mg/l  
EC<sub>50</sub> (*Daphnia*): 0.052 mg/l  
NOEC (*Daphnia*, 21 days): 247 µg/l

C<sub>18-40</sub>, solvent-dewaxed, hydrocracked lubricating oil (CAS: 94733-15-0)

LC<sub>50</sub> (fish): > 1000 mg/l  
EC<sub>50</sub> (*Daphnia*): 60 mg/l  
EC<sub>50</sub> (Algae, 72 hours) 630.4 mg/l

Estimated data referring to mixture (II) based on the manufacturer's data sheet:

LC<sub>50</sub> (fish) 10-100mg/l  
NOEC (invertebrates) <1 mg/l  
EC<sub>50</sub> (bacteria) 100-1000 mg/l

**12.2. Persistence and degradability:** data referring to the components:

Hexatriacontane is not easily degraded biologically.

Degradability of zinc dithiophosphate esters: 0-1.5% (38 days, Sturm test)

C<sub>18-40</sub>, solvent-dewaxed hydrocracked lubricating oil (CAS: 94733-15-0)

Biochemical oxygen demand (BOD<sub>5</sub>): 26.3 mg/l  
Chemical oxygen demand (COD): 168.0 mg/l  
BOD<sub>5</sub>/COD: 0.157

**12.3. Bio-accumulative potential:** bio concentration factor referring to components:

Hexatriacontane is not readily biodegradable.

Zinc dithiophosphate esters log<sub>o/w</sub>: 0.6 - 2.2

C<sub>18-40</sub>, solvent-dewaxed, hydrocracked lubricating oil (CAS: 94733-15-0): BCF (fish): 4.73

**12.4-5. Mobility in soil, results of PBT and vPvB assessment:** no data

**12.6. Other information:** The product and its waste and packaging must not be poured to sewers, drains, and natural waterways.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods:** Chemicals and its waste and packaging must be disposed of in compliance with state and local regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods. EWC code may vary depending on place of use, circumstance of waste generation (e.g.: 12 01 07\*, 13 08 99\* etc.).

**European Waste Catalogue/EWC code:**

13 OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19)  
13 02 Waste of engine, gear and lubricating oils;  
13 02 05\* Mineral-based non-chlorinated engine, gear and lubricating oils

**Section 14: Transport information**

According to the international transport (ADR/RID, IMDG and ICAO/IATA) regulations the product **is not dangerous goods**.

**14.1. UN number:** not relevant

**14.2. UN proper shipping name:** not relevant

**14.3. Transport hazard class(es):** not relevant

**14.4. Packing group:** not relevant

**14.5. Environmental hazard:** not relevant

**14.6. Special precautions for users:** not relevant

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC code:** not relevant

**Section 15: Regulatory information****15.1. Safety health and environmental regulations/legislation specific for the substance or mixture****Relevant European Acts:**

**REACH:** Reg. 1907/2006/EC and its modifications

**CLP:** Reg. 1272/2008/EC and its modifications



**Relevant Hungarian Acts:**

**Labor safety:** Act XCIII of 1993 on Labor Safety; EüM-SzCsM common decree No. 25/2000 (IX-30) on chemical safety of workplaces; NM decree No. 33/1998. (VI.24.) on the opinion and medical examination of job, professional and personal hygiene;

3/2002. (II.8.). SzCsM-EüM common decree on the minimum level of the safety requirements of workplaces:

**Chemical Safety:** Act XXV of 2000 on the chemical safety and its modifications, EüM decree No. 44/2000. (XII. 27.) and its modifications on certain procedures related to dangerous substances and dangerous products and activities and its detailed regulations.

**Environment/Waste:** Act LIII of 1995 on the general rules of the environmental protection; Act CLXXXV of 2012 on waste; 225/2015. (VIII. 7.) Gov. Decree about the conditions of handling toxic waste; VM decree No. 72/2013. (VIII.27) on the list of waste

**Fire safety:** Act XXXI of 1996 on fire protection, technical rescue and the Fire Department; BM decree No. 54/2014. (XII.5.) on the National Fire Safety Policy

**15.2. Chemical Safety Assessment:** not performed

## Section 16: Other information

**History:** Safety Data Sheet was prepared by translation of the Hungarian version 2.2. This version supersedes the previous one. The change is intended to comply with Regulation (EU) No 2015/830.

**Classification of the mixture:** Calculation method, see sections 11 and 12.

**Training recommendation:** In the annual occupational safety training workers should be informed about the hazards of handling chemicals and the general safety and health protection measures. Before handling, storing or using the present substance for the first time, employees must be informed - common training for handling chemicals, occupational safety training. SAFETY DATA SHEET SHOULD ALWAYS BE AVAILABLE FOR WORKERS

**Full text of H statements and hazard classes, codes for the pure substance(s) referred to in Section 2 and 3:**

**Abbreviations of hazard classes,** numbers after abbreviations mean the hazard category within the class, higher numbers mean less danger: **Aquatic Chronic:** hazardous to aquatic life, chronic hazard; **Carc.:** carcinogenicity; **Asp. Tox.:** aspiration toxicity; **Eye Dam.:** eye damage; **Skin Irrit.:** skin irritation; **Skin Sens.:** sensitization of the skin.

- H304 Can be fatal if swallowed or got into airways.
- H315 Causes skin irritation.
- H317 May produce an allergic reaction.
- H318 Causes serious eye damage.
- H350 May cause cancer.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

Safety data sheet is compiled on the bases of the Safety Data Sheet of the components of the product and data provided by the manufacturer. The information contained in the Safety Data Sheet is correct to our best knowledge at the date of issue; it is intended as a guide for safe use, handling, disposal, storage and transportation. If the product is used as a component in another mixture, data and information of this safety data sheet cannot apply.

The information contained in the Safety Data Sheet does not represent a guarantee of product properties nor does it create any legal obligation. Consumers themselves are responsible for the risks and hazards resulting from the use of the product. Manufacturer/Distributor does not assume any warranty or responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected to the handling, storage, use or disposal of the product because conditions of application, handling, storage, use or disposal of the product is beyond our control.