




KMK 2505 HS 2K 2_1 ANTI-SCR. CLEAR.

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

- 1.1 Product identifier:** KMK 2505 HS 2K 2_1 ANTI-SCR. CLEAR.
Other means of identification:
UFI: 01G4-7PRG-G00G-VSQG
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
 Relevant uses: Hardener for coatings. For professional users/industrial user only.
 Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
 Kimakem srl
 Via Don G. Fortuna 82
 36050 Monteviale - Vicenza - Italia
 Phone: +39 0444 1220020
 info@kimakem.com
- 1.4 Emergency telephone number:** +39 0444 1220020 (Monday to Friday 8:30 -17:30 GMT +1:00)

SECTION 2: HAZARDS IDENTIFICATION **

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) No 1272/2008:
 Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
 Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
 Flam. Liq. 3: Flammable liquids, Category 3, H226
 STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Warning

Hazard statements:
 H226 - Flammable liquid and vapour.
 H336 - May cause drowsiness or dizziness.
 H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements:
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
 P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.
Supplementary information:
 EUH066: Repeated exposure may cause skin dryness or cracking.
 EUH208: Contains Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, Hidroxyphenyl-Benzotriazole derivate, Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, Methyl methacrylate. May produce an allergic reaction.
Substances that contribute to the classification
 N-butyl acetate; Hydrocarbons, C9, aromatics
UFI: 01G4-7PRG-G00G-VSQG
- 2.3 Other hazards:**
 Product does not meet PBT/vPvB criteria
 Endocrine-disrupting properties: The product does not meet the criteria.

** Changes with regards to the previous version

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:









Non-applicable

3.2 Mixture:

Chemical description: polyisocyanate

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification | Chemical name/Classification | Concentration |
|---|---|---------------|
| CAS: 123-86-4 EC: 204-658-1 Index: 607-025-00-1 REACH: 01-2119485493-29-XXXX | N-butyl acetate⁽¹⁾ ATP CLP00 | 25 - <50 % |
| | Regulation 1272/2008 Flam. Liq. 3: H226; STOT SE 3: H336; EUH066 - Warning  | |
| CAS: 64742-95-6 EC: Non-applicable Index: Non-applicable REACH: Non-applicable | Hydrocarbons, C9, aromatics⁽¹⁾ Self-classified | 5 - <10 % |
| | Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; EUH066 - Danger  | |
| CAS: 112-07-2 EC: 203-933-3 Index: 607-038-00-2 REACH: 01-2119475112-47-XXXX | 2-butoxyethyl acetate⁽¹⁾ ATP CLP00 | 2,5 - <5 % |
| | Regulation 1272/2008 Acute Tox. 4: H312+H332 - Warning  | |
| CAS: 104810-48-2 EC: 600-603-4 Index: Non-applicable REACH: Non-applicable | Hidroxyphenyl-Benzotriazole derivate⁽¹⁾ Self-classified | 0,3 - <0,5 % |
| | Regulation 1272/2008 Aquatic Chronic 2: H411; Skin Sens. 1: H317 - Warning  | |
| CAS: 108-01-0 EC: 203-542-8 Index: 603-047-00-0 REACH: 01-2119492298-24-XXXX | 2-dimethylaminoethanol⁽¹⁾ Self-classified | 0,3 - <0,5 % |
| | Regulation 1272/2008 Acute Tox. 3: H331; Acute Tox. 4: H302+H312; Eye Dam. 1: H318; Flam. Liq. 3: H226; Skin Corr. 1B: H314; STOT SE 3: H335 - Danger  | |
| CAS: 41556-26-7 EC: 255-437-1 Index: Non-applicable REACH: Non-applicable | Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate⁽¹⁾ Self-classified | 0,1 - <0,3 % |
| | Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 - Warning  | |
| CAS: 82919-37-7 EC: 280-060-4 Index: Non-applicable REACH: Non-applicable | Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate⁽¹⁾ Self-classified | 0,1 - <0,3 % |
| | Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1: H317 - Warning  | |
| CAS: 80-62-6 EC: 201-297-1 Index: 607-035-00-6 REACH: 01-2119452498-28-XXXX | Methyl methacrylate⁽¹⁾ ATP CLP00 | 0,1 - <0,3 % |
| | Regulation 1272/2008 Flam. Liq. 2: H225; Skin Irrit. 2: H315; Skin Sens. 1: H317; STOT SE 3: H335 - Danger  | |

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

Other information:

| Identification | Specific concentration limit |
|--|-------------------------------|
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | % (w/w) >=5: STOT SE 3 - H335 |

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

| Identification | Acute toxicity | | Genus |
|--|----------------|-------------|-------|
| | LD50 oral | LD50 dermal | |
| 2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3 | Not relevant | | Rat |
| | 1580 mg/kg | | |
| | 11 mg/L (ATEi) | | |
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | 1182 mg/kg | | Rat |
| | 1220 mg/kg | | |
| | 3 mg/L (ATEi) | | |

** Changes with regards to the previous version



SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

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

Not relevant

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

Unsuitable extinguishing media:

Water jet

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

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SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Minimum Temp.: 5 °C

Maximum Temp.: 30 °C

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification | Occupational exposure limits | | |
|---|------------------------------|--------------|-----------------------|
| | IOELV (8h) | IOELV (STEL) | |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | IOELV (8h) | 50 ppm | 241 mg/m ³ |
| | IOELV (STEL) | 150 ppm | 723 mg/m ³ |
| 2-butoxyethyl acetate ⁽¹⁾ CAS: 112-07-2 EC: 203-933-3 | IOELV (8h) | 20 ppm | 133 mg/m ³ |
| | IOELV (STEL) | 50 ppm | 333 mg/m ³ |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | IOELV (8h) | 50 ppm | |
| | IOELV (STEL) | 100 ppm | |

⁽¹⁾ Skin

DNEL (Workers):

| Identification | | Short exposure | | Long exposure | |
|---|------------|------------------------|-------------------------|-------------------------|------------------------|
| | | Systemic | Local | Systemic | Local |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | 11 mg/kg | Not relevant | 11 mg/kg | Not relevant |
| | Inhalation | 600 mg/m ³ | 600 mg/m ³ | 300 mg/m ³ | 300 mg/m ³ |
| Hydrocarbons, C9, aromatics CAS: 64742-95-6 EC: Non-applicable | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 25 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 150 mg/m ³ | Not relevant |
| 2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | 120 mg/kg | Not relevant | 169 mg/kg | Not relevant |
| | Inhalation | Not relevant | 333 mg/m ³ | 133 mg/m ³ | Not relevant |
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | 1,2 mg/kg | Not relevant | 0,25 mg/kg | Not relevant |
| | Inhalation | 5,28 mg/m ³ | 13,53 mg/m ³ | 1,76 mg/m ³ | 1,76 mg/m ³ |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 0,5 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 0,68 mg/m ³ | Not relevant |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| | Dermal | Not relevant | Not relevant | 13,67 mg/kg | Not relevant |
| | Inhalation | Not relevant | 416 mg/m ³ | 348,4 mg/m ³ | 208 mg/m ³ |

DNEL (General population):

| Identification | | Short exposure | | Long exposure | |
|---|------------|-----------------------|-----------------------|-------------------------|------------------------|
| | | Systemic | Local | Systemic | Local |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | Oral | 2 mg/kg | Not relevant | 2 mg/kg | Not relevant |
| | Dermal | 6 mg/kg | Not relevant | 6 mg/kg | Not relevant |
| | Inhalation | 300 mg/m ³ | 300 mg/m ³ | 35,7 mg/m ³ | 35,7 mg/m ³ |
| Hydrocarbons, C9, aromatics CAS: 64742-95-6 EC: Non-applicable | Oral | Not relevant | Not relevant | 11 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 11 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 32 mg/m ³ | Not relevant |
| 2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3 | Oral | 36 mg/kg | Not relevant | 8,6 mg/kg | Not relevant |
| | Dermal | 72 mg/kg | Not relevant | 102 mg/kg | Not relevant |
| | Inhalation | Not relevant | 200 mg/m ³ | 80 mg/m ³ | Not relevant |
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | Oral | Not relevant | Not relevant | 0,126 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | Not relevant | Not relevant |
| | Inhalation | Not relevant | Not relevant | 0,438 mg/m ³ | Not relevant |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4 | Oral | Not relevant | Not relevant | 0,05 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 0,25 mg/kg | Not relevant |
| | Inhalation | Not relevant | Not relevant | 0,17 mg/m ³ | Not relevant |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | Oral | Not relevant | Not relevant | 8,2 mg/kg | Not relevant |
| | Dermal | Not relevant | Not relevant | 8,2 mg/kg | Not relevant |
| | Inhalation | Not relevant | 208 mg/m ³ | 74,3 mg/m ³ | 104 mg/m ³ |

PNEC:

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)



| Identification | | | | |
|---|--------------|--------------|-------------------------|-------------|
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | STP | 35,6 mg/L | Fresh water | 0,18 mg/L |
| | Soil | 0,09 mg/kg | Marine water | 0,018 mg/L |
| | Intermittent | 0,36 mg/L | Sediment (Fresh water) | 0,981 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,098 mg/kg |
| 2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3 | STP | 90 mg/L | Fresh water | 0,304 mg/L |
| | Soil | 0,415 mg/kg | Marine water | 0,03 mg/L |
| | Intermittent | 0,56 mg/L | Sediment (Fresh water) | 2,03 mg/kg |
| | Oral | 0,06 g/kg | Sediment (Marine water) | 0,203 mg/kg |
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | STP | 10 mg/L | Fresh water | 0,066 mg/L |
| | Soil | 0,01 mg/kg | Marine water | 0,004 mg/L |
| | Intermittent | 0,661 mg/L | Sediment (Fresh water) | 0,246 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,015 mg/kg |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4 | STP | 1 mg/L | Fresh water | 0,002 mg/L |
| | Soil | 0,21 mg/kg | Marine water | 0 mg/L |
| | Intermittent | 0,009 mg/L | Sediment (Fresh water) | 1,05 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,11 mg/kg |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | STP | 10 mg/L | Fresh water | 0,94 mg/L |
| | Soil | 1,48 mg/kg | Marine water | 0,094 mg/L |
| | Intermittent | 0,94 mg/L | Sediment (Fresh water) | 10,2 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,102 mg/kg |

8.2 Exposure controls:



A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|-----------------------------------|---|---------------------|--|
|  Mandatory respiratory tract protection | Filter mask for gases and vapours |  | EN 405:2002+A1:2010 | Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment. |

C.- Specific protection for the hands

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|---|---|---|--|
|  Mandatory hand protection | NON-disposable chemical protective gloves |  | EN ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 EN ISO 21420:2020 | The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|--|-------------|---|---|---|
|  Mandatory face protection | Face shield |  | EN 166:2002 EN 167:2002 EN 168:2002 EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing. |





E.- Body protection

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties |  | EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994 | For professional use only. Clean periodically according to the manufacturer's instructions. |
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties |  | EN ISO 13287:2020 EN ISO 20345:2011 EN 13832-1:2019 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|--|--|
|  Emergency shower | ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011 |

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:

With regard to Directive 2010/75/EU, this product has the following characteristics:

| | |
|---------------------------|---------------------------------|
| V.O.C. (Supply): | 45,5 % weight |
| V.O.C. density at 20 °C: | 454 kg/m ³ (454 g/L) |
| Average carbon number: | 6,74 |
| Average molecular weight: | 119,65 g/mol |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

| | |
|--------------------------|----------------|
| Physical state at 20 °C: | Liquid |
| Appearance: | Fluid |
| Colour: | Colourless |
| Odour: | Characteristic |
| Odour threshold: | Not relevant * |

Volatility:

| | |
|--|-----------------------|
| Boiling point at atmospheric pressure: | 100 - 561 °C |
| Vapour pressure at 20 °C: | 984 Pa |
| Vapour pressure at 50 °C: | 4894,32 Pa (4,89 kPa) |
| Evaporation rate at 20 °C: | Not relevant * |

Product description:

| | |
|-------------------------------|--------------------------|
| Density at 20 °C: | 998 kg/m ³ |
| Relative density at 20 °C: | 1 |
| Dynamic viscosity at 20 °C: | 482 cP |
| Kinematic viscosity at 20 °C: | Not relevant * |
| Kinematic viscosity at 40 °C: | >20,5 mm ² /s |

*Not relevant due to the nature of the product, not providing information property of its hazards.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|--|----------------|
| Concentration: | Not relevant * |
| pH: | Not relevant * |
| Vapour density at 20 °C: | Not relevant * |
| Partition coefficient n-octanol/water 20 °C: | Not relevant * |
| Solubility in water at 20 °C: | Not relevant * |
| Solubility properties: | Immiscible |
| Decomposition temperature: | Not relevant * |
| Melting point/freezing point: | Not relevant * |

Flammability:

| | |
|----------------------------|----------------|
| Flash Point: | 30 °C |
| Flammability (solid, gas): | Not relevant * |
| Autoignition temperature: | 245 °C |
| Lower flammability limit: | Not available |
| Upper flammability limit: | Not available |

Particle characteristics:

| | |
|-----------------------------|----------------|
| Median equivalent diameter: | Non-applicable |
|-----------------------------|----------------|

9.2 Other information:

Information with regard to physical hazard classes:

| | |
|--|----------------|
| Explosive properties: | Not relevant * |
| Oxidising properties: | Not relevant * |
| Corrosive to metals: | Not relevant * |
| Heat of combustion: | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |

Other safety characteristics:

| | |
|---------------------------|----------------|
| Surface tension at 20 °C: | Not relevant * |
| Refraction index: | Not relevant * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|--------------------|------------------|-------------------------|---------------------|----------------|
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

10.5 Incompatible materials:

| Acids | Water | Oxidising materials | Combustible materials | Others |
|--------------------|----------------|---------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

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SECTION 11: TOXICOLOGICAL INFORMATION **

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Methyl methacrylate (3); Hydrocarbons, C9, aromatics (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Specific toxicology information on the substances:

| Identification | Acute toxicity | | Genus |
|-----------------|-----------------|-----------------|--------|
| | LD50 oral | LD50 dermal | |
| N-butyl acetate | 12789 mg/kg | 14112 mg/kg | Rat |
| CAS: 123-86-4 | | | Rabbit |
| EC: 204-658-1 | LC50 inhalation | 23,4 mg/L (4 h) | Rat |

** Changes with regards to the previous version



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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

| Identification | Acute toxicity | | Genus |
|---|-----------------|-------------------|--------|
| | Route | Dose | |
| 2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3 | LD50 oral | 2820 mg/kg | Rat |
| | LD50 dermal | 1580 mg/kg (ATEi) | Rat |
| | LC50 inhalation | 11 mg/L (ATEi) | |
| Hydrocarbons, C9, aromatics CAS: 64742-95-6 EC: Non-applicable | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | LD50 oral | 1182 mg/kg | Rat |
| | LD50 dermal | 1220 mg/kg | Rabbit |
| | LC50 inhalation | 3 mg/L (ATEi) | |
| Hidroxyphenyl-Benzotriazole derivate CAS: 104810-48-2 EC: 600-603-4 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate CAS: 41556-26-7 EC: 255-437-1 | LD50 oral | 2615 mg/kg | Rat |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >5 mg/L | |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | LD50 oral | >2000 mg/kg | |
| | LD50 dermal | >2000 mg/kg | |
| | LC50 inhalation | >20 mg/L | |

11.2 Information on other hazards:

Endocrine disrupting properties

Endocrine-disrupting properties: The product does not meet the criteria.

Other information

Not relevant

** Changes with regards to the previous version

SECTION 12: ECOLOGICAL INFORMATION **

The experimental information related to the eco-toxicological properties of the product itself is not available

Harmful to aquatic life with long lasting effects.

12.1 Toxicity:

Acute toxicity:

| Identification | Concentration | | Species | Genus |
|---|---------------|---------------------|-------------------------|------------|
| | Route | Dose | | |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | LC50 | Not relevant | | |
| | EC50 | Not relevant | | |
| | EC50 | 675 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| Hydrocarbons, C9, aromatics CAS: 64742-95-6 EC: Non-applicable | LC50 | >1 - 10 mg/L (96 h) | | Fish |
| | EC50 | >1 - 10 mg/L (48 h) | | Crustacean |
| | EC50 | >1 - 10 mg/L (72 h) | | Algae |
| 2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3 | LC50 | 80 mg/L (48 h) | Leuciscus idus | Fish |
| | EC50 | 37 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 500 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| Hidroxyphenyl-Benzotriazole derivate CAS: 104810-48-2 EC: 600-603-4 | LC50 | >1 - 10 mg/L (96 h) | | Fish |
| | EC50 | >1 - 10 mg/L (48 h) | | Crustacean |
| | EC50 | >1 - 10 mg/L (72 h) | | Algae |
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | LC50 | 146 mg/L (96 h) | Leuciscus idus | Fish |
| | EC50 | 98,4 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 35 mg/L (72 h) | Scenedesmus subspicatus | Algae |

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -



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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

| Identification | Concentration | | Species | Genus |
|---|---------------|----------------------|---------------------------|------------|
| Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate CAS: 41556-26-7 EC: 255-437-1 | LC50 | 0,97 mg/L (96 h) | Lepomis macrochirus | Fish |
| | EC50 | 20 mg/L (24 h) | Daphnia magna | Crustacean |
| | EC50 | Not relevant | | |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4 | LC50 | >0.1 - 1 mg/L (96 h) | | Fish |
| | EC50 | >0.1 - 1 mg/L (48 h) | | Crustacean |
| | EC50 | >0.1 - 1 mg/L (72 h) | | Algae |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | LC50 | 191 mg/L (96 h) | Lepomis macrochirus | Fish |
| | EC50 | 69 mg/L (48 h) | Daphnia magna | Crustacean |
| | EC50 | 170 mg/L (96 h) | Selenastrum capricornutum | Algae |

Chronic toxicity:

| Identification | Concentration | | Species | Genus |
|--|---------------|--------------|---------------|------------|
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | NOEC | Not relevant | | |
| | NOEC | 23,2 mg/L | Daphnia magna | Crustacean |
| Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate CAS: 82919-37-7 EC: 280-060-4 | NOEC | Not relevant | | |
| | NOEC | 1 mg/L | Daphnia magna | Crustacean |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | NOEC | 9,4 mg/L | Danio rerio | Fish |
| | NOEC | 37 mg/L | Daphnia magna | Crustacean |

12.2 Persistence and degradability:

Substance-specific information:

| Identification | Degradability | | Biodegradability | |
|--|---------------|--------------|------------------|--------------|
| | | | | |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | BOD5 | Not relevant | Concentration | Not relevant |
| | COD | Not relevant | Period | 5 days |
| | BOD5/COD | Not relevant | % Biodegradable | 84 % |
| 2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3 | BOD5 | Not relevant | Concentration | 30 mg/L |
| | COD | Not relevant | Period | 28 days |
| | BOD5/COD | Not relevant | % Biodegradable | 77,3 % |
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | BOD5 | Not relevant | Concentration | 100 mg/L |
| | COD | Not relevant | Period | 14 days |
| | BOD5/COD | Not relevant | % Biodegradable | 60,5 % |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | BOD5 | Not relevant | Concentration | 100 mg/L |
| | COD | Not relevant | Period | 14 days |
| | BOD5/COD | Not relevant | % Biodegradable | 94,3 % |

12.3 Bioaccumulative potential:

Substance-specific information:

| Identification | Bioaccumulation potential | |
|--|---------------------------|-------|
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | BCF | 4 |
| | Pow Log | 1.78 |
| | Potential | Low |
| 2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3 | BCF | 3 |
| | Pow Log | 1.51 |
| | Potential | Low |
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | BCF | 3 |
| | Pow Log | -0.73 |
| | Potential | Low |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | BCF | 7 |
| | Pow Log | 1.38 |
| | Potential | Low |

12.4 Mobility in soil:

** Changes with regards to the previous version



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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

| Identification | Absorption/desorption | | Volatility | |
|--|-----------------------|----------------------|------------|---------------------------------|
| | Koc | Not relevant | Henry | Not relevant |
| N-butyl acetate CAS: 123-86-4 EC: 204-658-1 | Conclusion | Not relevant | Dry soil | Not relevant |
| | Surface tension | 2,478E-2 N/m (25 °C) | Moist soil | Not relevant |
| | Koc | Not relevant | Henry | 5,532E-1 Pa·m ³ /mol |
| 2-butoxyethyl acetate CAS: 112-07-2 EC: 203-933-3 | Conclusion | Not relevant | Dry soil | No |
| | Surface tension | Not relevant | Moist soil | Yes |
| | Koc | 1.2 | Henry | 1,8E-4 Pa·m ³ /mol |
| 2-dimethylaminoethanol CAS: 108-01-0 EC: 203-542-8 | Conclusion | Very High | Dry soil | No |
| | Surface tension | 3,111E-2 N/m (25 °C) | Moist soil | No |
| | Koc | Not relevant | Henry | Not relevant |
| Methyl methacrylate CAS: 80-62-6 EC: 201-297-1 | Conclusion | Not relevant | Dry soil | Not relevant |
| | Surface tension | 2,551E-2 N/m (25 °C) | Moist soil | Not relevant |
| | Koc | Not relevant | Henry | Not relevant |

12.5 Results of PBT and vPvB assessment:

Product does not meet PBT/vPvB criteria

12.6 Endocrine disrupting properties:

Endocrine-disrupting properties: The product does not meet the criteria.

12.7 Other adverse effects:

Not described

** Changes with regards to the previous version

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|-----------|---|--|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances | Hazardous |

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2023 and RID 2023:



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SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 UN number or ID number:** UN1263
- 14.2 UN proper shipping name:** PAINT RELATED MATERIAL
- 14.3 Transport hazard class(es):** 3
Labels: 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
Special regulations: 163, 367, 650
Tunnel restriction code: D/E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

Transport of dangerous goods by sea:

With regard to IMDG 41-22:



- 14.1 UN number or ID number:** UN1263
- 14.2 UN proper shipping name:** PAINT RELATED MATERIAL
- 14.3 Transport hazard class(es):** 3
Labels: 3
- 14.4 Packing group:** III
- 14.5 Marine pollutant:** No
- 14.6 Special precautions for user**
Special regulations: 163, 223, 955, 367
EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9
Limited quantities: 5 L
Segregation group: Not relevant
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:



- 14.1 UN number or ID number:** UN1263
- 14.2 UN proper shipping name:** PAINT RELATED MATERIAL
- 14.3 Transport hazard class(es):** 3
Labels: 3
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** No
- 14.6 Special precautions for user**
Physico-Chemical properties: see section 9
- 14.7 Maritime transport in bulk according to IMO instruments:** Not relevant

SECTION 15: REGULATORY INFORMATION **

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

- Article 95, REGULATION (EU) No 528/2012: Not relevant
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

Seveso III:

** Changes with regards to the previous version



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SECTION 15: REGULATORY INFORMATION ** (continued)

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---------|-------------------|-------------------------|-------------------------|
| P5c | FLAMMABLE LIQUIDS | 5000 | 50000 |

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ...):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Contains Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane. 1. | Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020. | 2. | For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.'

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

** Changes with regards to the previous version

SECTION 16: OTHER INFORMATION **

Legislation related to safety data sheets:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

- New declared substances
 - Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)
 - Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (82919-37-7)
- Removed substances
 - 2-hydroxyethyl methacrylate (868-77-9)
 - Hydroxyphenyl benzotriazol derivative
 - styrene (100-42-5)
 - Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)

Substances that contribute to the classification (SECTION 2):

- Removed substances
 - Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Hazard statements
- Precautionary statements
- Supplementary information
- Substances contained in EUH208:
 - New declared substances
 - Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate (41556-26-7)
 - Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (82919-37-7)
 - Removed substances
 - 2-hydroxyethyl methacrylate (868-77-9)
 - Hydroxyphenyl benzotriazol derivative

REGULATORY INFORMATION (SECTION 15):

- Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ...)

Texts of the legislative phrases mentioned in section 2:

** Changes with regards to the previous version

- CONTINUED ON NEXT PAGE -



SECTION 16: OTHER INFORMATION ** (continued)

H336: May cause drowsiness or dizziness.
H412: Harmful to aquatic life with long lasting effects.
H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 3: H331 - Toxic if inhaled.
Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin.
Acute Tox. 4: H312+H332 - Harmful in contact with skin or if inhaled.
Aquatic Acute 1: H400 - Very toxic to aquatic life.
Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Dam. 1: H318 - Causes serious eye damage.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Skin Irrit. 2: H315 - Causes skin irritation.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
STOT SE 3: H335 - May cause respiratory irritation.
STOT SE 3: H336 - May cause drowsiness or dizziness.

Classification procedure:

STOT SE 3: Calculation method
Aquatic Chronic 3: Calculation method
Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

*** Changes with regards to the previous version*

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -