



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

# SAFETY DATA SHEET

Clear 5000 HS

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

### 1.1 Product identifier

Clear 5000 HS : Product name  
S50014 : SDS code

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

| Identified uses |
|-----------------|
| Industrial use  |

  

| Uses advised against |
|----------------------|
| Consumer use         |

: Product use

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

Akzo Nobel Car Refinishes bv : Manufacturer  
Rijksstraatweg 31  
2171 AJ Sassenheim  
The Netherlands  
+ 31 (0)71 308 6944  
www.dynacoatcr.com

PSRA\_SSH@akzonobel.com : e-mail address of person responsible for this SDS

### 1.4 Emergency telephone number

+ 31 (0)71 308 6944 : Telephone number  
: Hours of operation

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Mixture : Product definition

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam. Liq. 3, H226  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
Skin Sens. 1, H317  
STOT SE 3, H335  
STOT SE 3, H336  
STOT RE 2, H373  
Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

## SECTION 2: Hazards identification

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements



: Hazard pictograms

Warning

: Signal word

Flammable liquid and vapour.

: Hazard statements

Causes serious eye irritation.

Causes skin irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Harmful to aquatic life with long lasting effects.

#### Precautionary statements

Wear protective gloves. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapour.

: Prevention

Not applicable.

: Response

Store in a well-ventilated place.

: Storage

Not applicable.

: Disposal

n-butyl acetate

: Hazardous ingredients

Reaction mass of ethylbenzene and xylene

solvent naphtha (petroleum), light arom.

Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl

1,2,2,6,6-pentamethyl-4-piperidyl sebacate

methacrylic acid, monoester with propane-1,2-diol

n-butyl methacrylate

Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-

omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-

4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-

4-hydroxyphenyl)propionyloxypoly(oxyethylene)

Not applicable.

: Supplemental label elements

Not applicable.

: Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

#### Special packaging requirements

Not applicable.

: Containers to be fitted with child-resistant fastenings

Not applicable.

: Tactile warning of danger

### 2.3 Other hazards

None known.

: Other hazards which do not result in classification

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

Mixture

: 3.2 Mixtures

| Type    | Regulation (EC) No. 1272/2008 [CLP]   | %         | Identifiers   | Product/ingredient name  |
|---------|---|-----------|---|--|
| [1]     | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH066   | ≥20 - ≤25 | REACH #:<br>01-2119485493-29<br>EC: 204-658-1<br>CAS: 123-86-4<br>Index: 607-025-00-1   | n-butyl acetate  |
| [1] [2] | Flam. Liq. 3, H226<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>STOT SE 3, H335<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Chronic 3, H412 | ≥10 - ≤20 | REACH #:<br>01-2119488216-32<br>EC: 905-588-0<br>Index: 601-022-00-9                    | Reaction mass of ethylbenzene and xylene   |
| [1]     | Flam. Liq. 3, H226<br>STOT SE 3, H335<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411<br>EUH066  | ≥10 - ≤18 | REACH #:<br>01-2119455851-35<br>EC: 265-199-0<br>CAS: 64742-95-6<br>Index: 649-356-00-4 | solvent naphtha (petroleum), light arom.   |
| [2]     | Flam. Liq. 3, H226  | ≤1        | REACH #:<br>01-2119548408-32<br>EC: 204-662-3   | Isoamyl acetate  |
| [1]     | Skin Sens. 1A, H317<br>Repr. 2, H361f (Fertility)<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1)   | ≤0.68     | REACH #:<br>01-2119491304-40<br>CAS: 1065336-91-5                                       | Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  |
| [1]     | Eye Irrit. 2, H319<br>Skin Sens. 1, H317  | <1        | EC: 248-666-3<br>CAS: 27813-02-1  | methacrylic acid, monoester with propane-1,2-diol  |
| [1]     | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>STOT SE 3, H335  | <1        | EC: 202-615-1<br>CAS: 97-88-1<br>Index: 607-033-00-5                                    | n-butyl methacrylate   |
| [1]     | Skin Sens. 1, H317<br>Aquatic Chronic 2, H411   | ≤0.3      | REACH #:<br>01-0000015075-76<br>EC: 400-830-7   | Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) |

## SECTION 3: Composition/information on ingredients

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

### Type

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice. : **General**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. : **Eye contact**

Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. : **Inhalation**

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. : **Skin contact**

If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting. : **Ingestion**

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. : **Protection of first-aiders**

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

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, methacrylic acid, monoester with propane-1,2-diol, n-butyl methacrylate, Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-

## SECTION 4: First aid measures

4-hydroxyphenyl). May produce an allergic reaction.

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

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

: Notes to physician

No specific treatment.

: Specific treatments

See toxicological information (Section 11)

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Recommended: alcohol-resistant foam, CO<sub>2</sub>, powders, water spray.

: Suitable extinguishing media

Do not use water jet.

: Unsuitable extinguishing media

### 5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

: Hazards from the substance or mixture

Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

: Hazardous combustion products

### 5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

: Special protective actions for fire-fighters

Appropriate breathing apparatus may be required.

: Special protective equipment for fire-fighters

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

: For non-emergency personnel

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

: For emergency responders

Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

: 6.2 Environmental precautions

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Preferably clean with a detergent. Avoid using solvents.

: 6.3 Methods and material for containment and cleaning up

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

: 6.4 Reference to other sections

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

: **Protective measures**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

: **Advice on general occupational hygiene**

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

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidising materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

#### Seveso Directive - Reporting thresholds (in tonnes)

##### Danger criteria

| Safety report threshold | Notification and MAPP threshold | Category |
|-------------------------|---------------------------------|----------|
| 50000                   | 5000                            | P5c      |

### 7.3 Specific end use(s)

Not available.

: **Recommendations**

Not available.

: **Industrial sector specific solutions**

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

## SECTION 8: Exposure controls/personal protection

| Exposure limit values   | Product/ingredient name  |
|---|--|
| <p><b>EU OEL (Europe, 10/2019). Absorbed through skin. Notes: list of indicative occupational exposure limit values</b></p> <p>STEL: 442 mg/m<sup>3</sup> 15 minutes.<br/>                     STEL: 100 ppm 15 minutes.<br/>                     TWA: 221 mg/m<sup>3</sup> 8 hours.<br/>                     TWA: 50 ppm 8 hours.</p> <p><b>EU OEL (Europe, 2/2017). Notes: list of indicative occupational exposure limit values</b></p> <p>STEL: 540 mg/m<sup>3</sup> 15 minutes.<br/>                     STEL: 100 ppm 15 minutes.<br/>                     TWA: 270 mg/m<sup>3</sup> 8 hours.<br/>                     TWA: 50 ppm 8 hours.</p> | <p>Reaction mass of ethylbenzene and xylene</p> <p>Isoamyl acetate</p> |

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

: **Recommended monitoring procedures**

### 8.2 Exposure controls

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.

: **Appropriate engineering controls**

#### Individual protection measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

: **Hygiene measures**

Use safety eyewear designed to protect against splash of liquids.

: **Eye/face protection**

#### Skin protection

For prolonged or repeated handling, use the following type of gloves:

: **Gloves**

May be used: neoprene

Not recommended: PVC, nitrile rubber, butyl rubber

The recommendation for the type or types of glove to use when handling this product is based on information from the following source:

Best Practice Guideline 5 "Safe Use of Gloves" (June 2010) published by the European Solvents Industry Group (ESIG), available at <http://www.esig.org/en/library/publications/best-practice-guides>

The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.

Personnel should wear antistatic clothing made of natural fibres or of high-temperature-resistant synthetic fibres.

: **Body protection**

|                  |                       |                                       |             |
|------------------|-----------------------|---------------------------------------|-------------|
| <b>AkzoNobel</b> | 1.05 : <b>Version</b> | <b>Date of issue/Date of revision</b> | : 10/3/2023 |
|                  | 7/15                  | <b>Date of previous issue</b>         | : 9/22/2023 |

## SECTION 8: Exposure controls/personal protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

: **Other skin protection**

If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.

: **Respiratory protection**

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding/flatting should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

Do not allow to enter drains or watercourses.

: **Environmental exposure controls**

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|   |   |
|---|---|
| Liquid.   | : <b>Physical state</b>                               |
| Not available.  | : <b>Colour</b>                                       |
| Not available.  | : <b>Odour</b>  |
| Not available.  | : <b>Odour threshold</b>                              |
| Not available.  | : <b>pH</b>   |
| Not available.  | : <b>Melting point/freezing point</b>                 |
| 126°C   | : <b>Initial boiling point and boiling range</b>      |
| Closed cup: 26°C  | : <b>Flash point</b>                                  |
| Not available.  | : <b>Evaporation rate</b>                             |
| Not available.  | : <b>Flammability (solid, gas)</b>                    |
| Greatest known range: Lower: 1.4% Upper: 7.6% (n-butyl acetate)                               | : <b>Upper/lower flammability or explosive limits</b> |
| Not available.  | : <b>Vapour pressure</b>                              |
| Highest known value: 4.1 (Air = 1) (1,2,4-trimethylbenzene). Weighted average: 3.89 (Air = 1) | : <b>Vapour density</b>                               |
| 0.97  | : <b>Relative density</b>                             |
| Not available.  | : <b>Partition coefficient: n-octanol/water</b>       |
| Not available.  | : <b>Auto-ignition temperature</b>                    |
| Not available.  | : <b>Decomposition temperature</b>                    |
| Kinematic (room temperature): 2.27 cm <sup>2</sup> /s   | : <b>Viscosity</b>                                    |

### 9.2 Other information

Not available. : **Solubility(ies)**

## SECTION 10: Stability and reactivity

No specific test data related to reactivity available for this product or its ingredients. : **10.1 Reactivity**

Stable under recommended storage and handling conditions (see Section 7). : **10.2 Chemical stability**

Under normal conditions of storage and use, hazardous reactions will not occur. : **10.3 Possibility of hazardous reactions**

**SECTION 10: Stability and reactivity**

When exposed to high temperatures may produce hazardous decomposition products. : **10.4 Conditions to avoid**

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids. : **10.5 Incompatible materials**

Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen. : **10.6 Hazardous decomposition products**

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

There are no data available on the mixture itself. The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Exposure to component solvent vapour concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, methacrylic acid, monoester with propane-1,2-diol, n-butyl methacrylate, Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl). May produce an allergic reaction.

**Acute toxicity**

| Exposure | Dose                    | Species    | Result                 | Product/ingredient name  |
|----------|-------------------------|------------|------------------------|--|
| 4 hours  | 390 ppm                 | Rat        | LC50 Inhalation Gas.   | n-butyl acetate  |
| 2 hours  | 6 g/m <sup>3</sup>      | Mouse      | LC50 Inhalation Vapour |  |
| 4 hours  | 390 ppm                 | Rat        | LC50 Inhalation Vapour |  |
| -        | >17600 mg/kg            | Rabbit     | LD50 Dermal            |  |
| -        | 1230 mg/kg              | Mouse      | LD50 Intraperitoneal   |  |
| -        | 4700 mg/kg              | Guinea pig | LD50 Oral              |  |
| -        | 6 g/kg                  | Mouse      | LD50 Oral              |  |
| -        | 3200 mg/kg              | Rabbit     | LD50 Oral              |  |
| -        | 10768 mg/kg             | Rat        | LD50 Oral              |  |
| 4 hours  | 5000 ppm                | Rat        | LC50 Inhalation Gas.   |  |
| 4 hours  | 6700 ppm                | Rat        | LC50 Inhalation Gas.   |  |
| 4 hours  | 6670 ppm                | Rat        | LC50 Inhalation Gas.   |  |
| -        | 1548 mg/kg              | Mouse      | LD50 Intraperitoneal   |  |
| -        | 1548 mg/kg              | Mouse      | LD50 Intraperitoneal   |  |
| -        | 2459 mg/kg              | Rat        | LD50 Intraperitoneal   |  |
| -        | 2119 mg/kg              | Mouse      | LD50 Oral              |  |
| -        | 4300 mg/kg              | Rat        | LD50 Oral              |  |
| -        | 4300 mg/kg              | Rat        | LD50 Oral              |  |
| -        | 1700 mg/kg              | Rat        | LD50 Subcutaneous      |  |
| -        | 8400 mg/kg              | Rat        | LD50 Oral              | solvent naphtha (petroleum), light arom.<br>1,2,4-trimethylbenzene |
| 4 hours  | 18000 mg/m <sup>3</sup> | Rat        | LC50 Inhalation Vapour |  |
| -        | 6900 mg/kg              | Mouse      | LD50 Oral              |  |
| -        | 5 g/kg                  | Rat        | LD50 Oral              |  |

## SECTION 11: Toxicological information

|         |                         |        |                        |  |
|---------|-------------------------|--------|------------------------|--|
| 4 hours | 4000 ppm                | Rabbit | LC50 Inhalation Gas.   | ethylbenzene<br><br>methacrylic acid, monoester with propane-1,2-diol n-butyl methacrylate |
| 2 hours | 35500 mg/m <sup>3</sup> | Mouse  | LC50 Inhalation Vapour |  |
| 2 hours | 55000 mg/m <sup>3</sup> | Rat    | LC50 Inhalation Vapour |  |
| -       | >5000 mg/kg             | Rabbit | LD50 Dermal            |  |
| -       | 17800 uL/kg             | Rabbit | LD50 Dermal            |  |
| -       | 2624 uL/kg              | Mouse  | LD50 Intraperitoneal   |  |
| -       | 3500 mg/kg              | Rat    | LD50 Oral              |  |
| -       | 3500 mg/kg              | Rat    | LD50 Oral              |  |
| -       | 11200 mg/kg             | Rat    | LD50 Oral              |  |
| 4 hours | 4910 ppm                | Rat    | LC50 Inhalation Gas.   |  |
| -       | 11300 uL/kg             | Rabbit | LD50 Dermal            |  |
| -       | 1490 mg/kg              | Mouse  | LD50 Intraperitoneal   |  |
| -       | 2304 mg/kg              | Rat    | LD50 Intraperitoneal   |  |
| -       | 12900 mg/kg             | Mouse  | LD50 Oral              |  |
| -       | 25 g/kg                 | Rabbit | LD50 Oral              |  |
| -       | 16 g/kg                 | Rat    | LD50 Oral              |  |

Not available.

: **Conclusion/Summary**

### **Acute toxicity estimates**

| ATE value                   | Route                        |
|-----------------------------|------------------------------|
| 6472.9 mg/kg<br>29422.1 ppm | Dermal<br>Inhalation (gases) |

### **Irritation/Corrosion**

| Observation | Exposure                 | Score | Species | Result                   | Product/ingredient name  |
|-------------|--------------------------|-------|---------|--------------------------|--|
| -           | 100 mg                   | -     | Rabbit  | Eyes - Moderate irritant | n-butyl acetate  |
| -           | 24 hours 500 mg          | -     | Rabbit  | Skin - Moderate irritant |  |
| -           | 87 mg                    | -     | Rabbit  | Eyes - Mild irritant     | Reaction mass of ethylbenzene and xylene                         |
| -           | 24 hours 5 mg            | -     | Rabbit  | Eyes - Severe irritant   |  |
| -           | 8 hours 60 UI            | -     | Rat     | Skin - Mild irritant     |  |
| -           | 24 hours 500 mg          | -     | Rabbit  | Skin - Moderate irritant | solvent naphtha (petroleum), light arom.<br>n-butyl methacrylate |
| -           | 100 %                    | -     | Rabbit  | Skin - Moderate irritant |  |
| -           | 24 hours 100 microliters | -     | Rabbit  | Eyes - Mild irritant     |  |
| -           | 500 UI                   | -     | Rabbit  | Skin - Mild irritant     |  |

Not available.

: **Conclusion/Summary**

### **Sensitisation**

Not available.

: **Conclusion/Summary**

### **Mutagenicity**

Not available.

: **Conclusion/Summary**

### **Carcinogenicity**

Not available.

: **Conclusion/Summary**

### **Reproductive toxicity**

Not available.

: **Conclusion/Summary**

### **Teratogenicity**

Not available.

: **Conclusion/Summary**

### **Specific target organ toxicity (single exposure)**

**SECTION 11: Toxicological information**

| Target organs                                     | Route of exposure | Category   | Name                                     |
|---|-------------------|------------|--|
| Narcotic effects                                  | Not applicable.   | Category 3 | n-butyl acetate                          |
| Respiratory tract irritation                      | Not applicable.   | Category 3 | Reaction mass of ethylbenzene and xylene |
| Respiratory tract irritation and Narcotic effects | Not applicable.   | Category 3 | solvent naphtha (petroleum), light arom. |
| Respiratory tract irritation                      | Not applicable.   | Category 3 | n-butyl methacrylate                     |

**Specific target organ toxicity (repeated exposure)**

| Target organs  | Route of exposure | Category   | Name                                     |
|----------------|-------------------|------------|--|
| Not determined | Not determined    | Category 2 | Reaction mass of ethylbenzene and xylene |

**Aspiration hazard**

| Result                         | Name                                     |
|--------------------------------|--|
| ASPIRATION HAZARD - Category 1 | xylene                                   |
| ASPIRATION HAZARD - Category 1 | solvent naphtha (petroleum), light arom. |
| ASPIRATION HAZARD - Category 1 | ethylbenzene                             |

Not available.

: **Other information****SECTION 12: Ecological information****12.1 Toxicity**

There are no data available on the mixture itself.  
Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

| Exposure | Species                                  | Result                              | Product/ingredient name                  |
|----------|--|-------------------------------------|--|
| 48 hours | n-butyl acetate                          | Acute LC50 32 mg/l Marine water     | n-butyl acetate                          |
| 96 hours | Fish - Lepomis macrochirus               | Acute LC50 100000 µg/l Fresh water  | Fish - Lepomis macrochirus               |
| 96 hours | Fish - Pimephales promelas               | Acute LC50 18000 µg/l Fresh water   | Fish - Pimephales promelas               |
| 96 hours | Fish - Menidia beryllina                 | Acute LC50 185000 µg/l Marine water | Fish - Menidia beryllina                 |
| 96 hours | Fish - Danio rerio                       | Acute LC50 62000 µg/l Fresh water   | Fish - Danio rerio                       |
| 96 hours | Reaction mass of ethylbenzene and xylene | Acute LC50 13400 µg/l Fresh water   | Reaction mass of ethylbenzene and xylene |
| 21 days  | n-butyl methacrylate                     | Chronic NOEC 2.6 mg/l Fresh water   | n-butyl methacrylate                     |

Not available.

: **Conclusion/Summary****12.2 Persistence and degradability**

Not available.

: **Conclusion/Summary**

| Biodegradability | Photolysis | Aquatic half-life | Product/ingredient name                  |
|------------------|------------|-------------------|--|
| Readily          | -          | -                 | solvent naphtha (petroleum), light arom. |

**12.3 Bioaccumulative potential**

## SECTION 12: Ecological information

| Potential | BCF         | LogP <sub>ow</sub> | Product/ingredient name   |
|-----------|-------------|--------------------|---|
| low       | -           | 2.3                | n-butyl acetate   |
| low       | 8.1 to 25.9 | 3.12               | Reaction mass of ethylbenzene and xylene solvent naphtha (petroleum), light arom. |
| high      | 10 to 2500  | -                  | Isoamyl acetate   |
| low       | -           | 2.25               | methacrylic acid, monoester with propane-1,2-diol                                 |
| low       | -           | 0.97               | n-butyl methacrylate  |
| low       | -           | 2.99               |   |

### 12.4 Mobility in soil

Not available.

: **Soil/water partition coefficient (K<sub>oc</sub>)**

Not available.

: **Mobility**

### 12.5 Results of PBT and vPvB assessment

Not applicable.

: **PBT**

Not applicable.

: **vPvB**

No known significant effects or critical hazards.

: **12.6 Other adverse effects**

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

: **Methods of disposal**

The classification of the product may meet the criteria for a hazardous waste.

: **Hazardous waste**

Do not allow to enter drains or watercourses.

: **Disposal considerations**

Dispose of according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

For further information, contact your local waste authority.

#### European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

| Waste designation   | Waste code    |
|---|---------------|
| waste paint and varnish containing organic solvents or other hazardous substances | EWC 08 01 11* |

#### Packaging

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

: **Methods of disposal**

Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers.

: **Disposal considerations**

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

|                  |                       |                                       |             |
|------------------|-----------------------|---------------------------------------|-------------|
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## SECTION 13: Disposal considerations

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

: **Special precautions**

## Section 14. Transport information

| IATA   | IMDG   | ADR/RID  |                                 |
|--|--|--|---------------------------------|
| UN1263   | UN1263   | UN1263   | 14.1 UN number                  |
| PAINT  | PAINT  | PAINT  | 14.2 UN proper shipping name    |
| 3<br> | 3<br> | 3<br> | 14.3 Transport hazard class(es) |
| III  | III  | III  | 14.4 Packing group              |
| No.  | No.  | No.  | 14.5 Environmental hazards      |

**Tunnel code** (D/E) : ADR/RID

**Emergency schedules** F-E, \_S-E\_ : IMDG

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. : **Special precautions for user**

Not available. : **Transport in bulk according to IMO instruments**

## SECTION 15: Regulatory information

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

**EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorisation**

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

Not applicable.

: **Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

**Other EU regulations**

**Ozone depleting substances (1005/2009/EU)**

Not listed.

## SECTION 15: Regulatory information

### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

### Seveso Directive

This product may add to the calculation for determining whether a site is within the scope of the Seveso Directive on major accident hazards.

### National regulations

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work. : **Industrial use**

No Chemical Safety Assessment has been carried out.

: **15.2 Chemical safety assessment**

## SECTION 16: Other information

1

: **CEPE code**

Indicates information that has changed from previously issued version.

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

vPvB = Very Persistent and Very Bioaccumulative

: **Abbreviations and acronyms**

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Justification         | Classification          |
|-----------------------|-------------------------|
| On basis of test data | Flam. Liq. 3, H226      |
| Calculation method    | Skin Irrit. 2, H315     |
| Calculation method    | Eye Irrit. 2, H319      |
| Calculation method    | Skin Sens. 1, H317      |
| Calculation method    | STOT SE 3, H335         |
| Calculation method    | STOT SE 3, H336         |
| Calculation method    | STOT RE 2, H373         |
| Calculation method    | Aquatic Chronic 3, H412 |

### Full text of abbreviated H statements

|  |       |
|--|-------|
| Flammable liquid and vapour.                                       | H226  |
| May be fatal if swallowed and enters airways.                      | H304  |
| Harmful in contact with skin.                                      | H312  |
| Causes skin irritation.  | H315  |
| May cause an allergic skin reaction.                               | H317  |
| Causes serious eye irritation.                                     | H319  |
| Harmful if inhaled.  | H332  |
| May cause respiratory irritation.                                  | H335  |
| May cause drowsiness or dizziness.                                 | H336  |
| Suspected of damaging fertility.                                   | H361f |
| May cause damage to organs through prolonged or repeated exposure. | H373  |
| Very toxic to aquatic life.  | H400  |
| Very toxic to aquatic life with long lasting effects.              | H410  |
| Toxic to aquatic life with long lasting effects.                   | H411  |
| Harmful to aquatic life with long lasting effects.                 | H412  |

## SECTION 16: Other information

### Full text of classifications [CLP/GHS]

|  |                         |
|--|-------------------------|
| ACUTE TOXICITY (dermal) - Category 4   | Acute Tox. 4, H312      |
| ACUTE TOXICITY (inhalation) - Category 4   | Acute Tox. 4, H332      |
| SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1   | Aquatic Acute 1, H400   |
| LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1  | Aquatic Chronic 1, H410 |
| LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2  | Aquatic Chronic 2, H411 |
| LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3  | Aquatic Chronic 3, H412 |
| ASPIRATION HAZARD - Category 1   | Asp. Tox. 1, H304       |
| Repeated exposure may cause skin dryness or cracking.  | EUH066                  |
| SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2   | Eye Irrit. 2, H319      |
| FLAMMABLE LIQUIDS - Category 3   | Flam. Liq. 3, H226      |
| REPRODUCTIVE TOXICITY (Fertility) - Category 2   | Repr. 2, H361f          |
| SKIN CORROSION/IRRITATION - Category 2   | Skin Irrit. 2, H315     |
| SKIN SENSITISATION - Category 1  | Skin Sens. 1, H317      |
| SKIN SENSITISATION - Category 1A   | Skin Sens. 1A, H317     |
| SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2                              | STOT RE 2, H373         |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 | STOT SE 3, H335         |
| SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Narcotic effects) - Category 3             | STOT SE 3, H336         |

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### Notice to reader

#### FOR PROFESSIONAL USE ONLY

**IMPORTANT NOTE** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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