

# SAFETY DATA SHEET



## MasterMix HS Clearcoat

Version  
2.2

Revision Date:  
09.02.2024

SDS Number:  
MATOPL400264  
ZA/EN

Date of last issue: 31.01.2024  
Date of first issue: 23.10.2023

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

#### 1.1 Product identifier

Trade name : MasterMix HS Clearcoat

Product code : 40026412  
PLA000010-0001

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

Use of the Sub-stance/Mixture : Coatings and paints, thinners, paint removers

Recommended restrictions on use : Reserved for industrial and professional use.

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

Company : Kansai Plascon  
Frederick Cooper Drive 10  
Factoria, Krugersdorp  
South Africa  
www.plascon.com

Telephone Company : 2711 951 4500  
2783 991 5782

Telefax Company : 2711 955 2841

Responsible/issuing person : 2711 951 4500  
2783 991 5782  
mmundondo@kansaiplascon.co.za

#### 1.4 Emergency telephone number

Emergency Number: 112; Ambulance: 10177

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

Skin irritation, Category 2 H315: Causes skin irritation.

Eye irritation, Category 2 H319: Causes serious eye irritation.

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Specific target organ toxicity - single exposure, Category 3, Central nervous system

H336: May cause drowsiness or dizziness.

Specific target organ toxicity - single exposure, Category 3, Respiratory system

H335: May cause respiratory irritation.

Specific target organ toxicity - repeated exposure, Category 2

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

Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :  
H225 Highly flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements :

#### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.  
P260 Do not breathe mist or vapours.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.

#### Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:  
reaction mixture of ethylbenzene, m-xylene and p-xylene  
acetone  
n-butyl acetate

#### Additional Labelling

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EUH208 Contains mixture of benzotriazole, mixture of sterically composed sebacates.  
May produce an allergic reaction.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

| Chemical name  | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number         | Classification   | Concentration<br>(% w/w) |
|--|---|--|--------------------------|
| reaction mixture of ethylbenzene, m-xylene and p-xylene  | Not Assigned<br>905-562-9<br>01-2119555267-33                 | Flam. Liq. 3; H226<br>Acute Tox. 4; H332<br>Acute Tox. 4; H312<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335<br>(Respiratory system)<br>STOT RE 2; H373<br>Asp. Tox. 1; H304 | >= 30 - < 50             |
| acetone  | 1065336-91-5<br>200-662-2<br>606-001-00-8<br>01-2119471330-49 | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336<br>(Central nervous system)  | >= 10 - < 20             |
| n-butyl acetate  | 204-658-1<br>607-025-00-1<br>01-2119485493-29                 | Flam. Liq. 3; H226<br>STOT SE 3; H336<br>(Central nervous system)  | >= 1 - < 10              |
| mixture of benzotriazole   | 400-830-7<br>607-176-00-3<br>01-0000015075-76                 | Skin Sens. 1; H317<br>Aquatic Chronic 2;<br>H411   | >= 0,25 - < 1            |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | 915-687-0<br>01-2119491304-40                                 | Skin Sens. 1; H317<br>Repr. 2; H361f<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410   | >= 0,25 - < 1            |

For explanation of abbreviations see section 16.



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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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

- Risks : Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.

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

- Treatment : Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : High volume water jet

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

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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- Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Container may be opened only under exhaust ventilation hood.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material.  
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces and sources of ignition.
- Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

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

- Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

- Specific use(s) : For further information, refer to the product technical data sheet.
- Consult the technical guidelines for the use of this substance/mixture.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

| Components  | CAS-No.   | Value type (Form of exposure) | Control parameters                 | Basis            |
|---|-----------|-------------------------------|------------------------------------|------------------|
| reaction mixture of ethylbenzene, m-xylene and p-xylene             | 1330-20-7 | STEL OEL-RL                   | 300 ppm                            | ZA OEL           |
| Further information: Absorption through the skin, Recommended Limit |           |                               |                                    |                  |
|   |           | TWA OEL-RL                    | 200 ppm                            | ZA OEL           |
| Further information: Absorption through the skin, Recommended Limit |           |                               |                                    |                  |
|   |           | TWA                           | 50 ppm<br>221 mg/m <sup>3</sup>    | 2000/39/EC       |
|   |           | STEL                          | 100 ppm<br>442 mg/m <sup>3</sup>   | 2000/39/EC       |
| acetone   | 67-64-1   | TWA OEL-RL                    | 500 ppm                            | ZA OEL           |
| Further information: Recommended Limit                              |           |                               |                                    |                  |
|   |           | STEL OEL-RL                   | 1.000 ppm                          | ZA OEL           |
| Further information: Recommended Limit                              |           |                               |                                    |                  |
|   |           | TWA                           | 500 ppm<br>1.210 mg/m <sup>3</sup> | 2000/39/EC       |
| n-butyl acetate   | 123-86-4  | TWA OEL-RL                    | 100 ppm                            | ZA OEL           |
| Further information: Recommended Limit                              |           |                               |                                    |                  |
|   |           | STEL OEL-RL                   | 300 ppm                            | ZA OEL           |
| Further information: Recommended Limit                              |           |                               |                                    |                  |
|   |           | STEL                          | 150 ppm<br>723 mg/m <sup>3</sup>   | 2019/1831/E<br>U |
|   |           | TWA                           | 50 ppm<br>241 mg/m <sup>3</sup>    | 2019/1831/E<br>U |

##### Biological occupational exposure limits

| Substance name  | CAS-No.   | Control parameters                              | Sampling time | Basis  |
|---|-----------|---|---------------|--------|
| reaction mixture of ethylbenzene, m-xylene and p-xylene | 1330-20-7 | Methylhippuric acid: 1.5 g/g creatinine (Urine) | End of shift  | ZA BEI |
| acetone   | 67-64-1   | Acetone: 25 mg/l (Urine)                        | End of shift  | ZA BEI |

##### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name  | End Use   | Exposure routes | Potential health effects   | Value                  |
|---|-----------|-----------------|----------------------------|------------------------|
| reaction mixture of ethylbenzene, m-xylene and p-xylene | Workers   | Inhalation      | Long-term systemic effects | 77 mg/m <sup>3</sup>   |
|   | Consumers | Inhalation      | Long-term local effects    | 65,3 mg/m <sup>3</sup> |

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|                 |           |            |                            |                        |
|-----------------|-----------|------------|----------------------------|------------------------|
|                 | Workers   | Inhalation | Acute systemic effects     | 442 mg/m <sup>3</sup>  |
|                 | Workers   | Inhalation | Acute local effects        | 289 mg/m <sup>3</sup>  |
|                 | Consumers | Inhalation | Acute systemic effects     | 260 mg/m <sup>3</sup>  |
|                 | Workers   | Inhalation | Long-term local effects    | 221 mg/m <sup>3</sup>  |
|                 | Consumers | Inhalation | Long-term systemic effects | 14,8 mg/m <sup>3</sup> |
|                 | Consumers | Inhalation | Acute local effects        | 260 mg/m <sup>3</sup>  |
|                 | Consumers | Dermal     | Long-term systemic effects | 108 mg/kg bw/day       |
|                 | Consumers | Oral       | Long-term systemic effects | 16 mg/kg bw/day        |
|                 | Workers   | Dermal     | Long-term systemic effects | 180 mg/kg bw/day       |
| acetone         | Consumers | Inhalation | Long-term systemic effects | 200 mg/m <sup>3</sup>  |
|                 | Workers   | Inhalation | Acute local effects        | 2420 mg/m <sup>3</sup> |
|                 | Workers   | Inhalation | Long-term systemic effects | 1210 mg/m <sup>3</sup> |
|                 | Consumers | Oral       | Long-term systemic effects | 62 mg/kg               |
|                 | Consumers | Dermal     | Long-term systemic effects | 62 mg/kg               |
|                 | Workers   | Dermal     | Long-term systemic effects | 186 mg/kg              |
| n-butyl acetate | Workers   | Inhalation | Acute systemic effects     | 600 mg/m <sup>3</sup>  |
|                 | Workers   | Inhalation | Acute local effects        | 600 mg/m <sup>3</sup>  |
|                 | Workers   | Inhalation | Long-term systemic effects | 48 mg/m <sup>3</sup>   |
|                 | Workers   | Inhalation | Long-term local effects    | 300 mg/m <sup>3</sup>  |
|                 | Consumers | Inhalation | Acute systemic effects     | 300 mg/m <sup>3</sup>  |
|                 | Consumers | Inhalation | Acute local effects        | 300 mg/m <sup>3</sup>  |
|                 | Consumers | Inhalation | Long-term systemic effects | 12 mg/m <sup>3</sup>   |
|                 | Consumers | Inhalation | Long-term local effects    | 35,7 mg/m <sup>3</sup> |
|                 | Consumers | Dermal     | Long-term systemic effects | 3,4 mg/kg bw/day       |
|                 | Consumers | Dermal     | Acute systemic effects     | 6 mg/kg bw/day         |
|                 | Consumers | Oral       | Long-term systemic effects | 2 mg/kg bw/day         |
|                 | Consumers | Oral       | Acute systemic effects     | 2 mg/kg bw/day         |
|                 | Workers   | Dermal     | Long-term systemic effects | 7 mg/kg bw/day         |



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|  |         |        |                        |                 |
|--|---------|--------|------------------------|-----------------|
|  | Workers | Dermal | Acute systemic effects | 11 mg/kg bw/day |
|--|---------|--------|------------------------|-----------------|

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name  | Environmental Compartment | Value                          |
|---|---------------------------|--------------------------------|
| reaction mixture of ethylbenzene, m-xylene and p-xylene | Soil                      | 2,31 mg/kg dry weight (d.w.)   |
|   | Marine water              | 0,327 mg/l                     |
|   | Fresh water               | 0,327 mg/l                     |
|   | Marine sediment           | 12,46 mg/kg dry weight (d.w.)  |
|   | Fresh water sediment      | 12,46 mg/kg dry weight (d.w.)  |
| acetone   | Sewage treatment plant    | 6,58 mg/l                      |
|   | Intermittent use/release  | 0,327 mg/l                     |
|   | Soil                      | 29,5 mg/kg                     |
|   | Marine water              | 1,06 mg/l                      |
|   | Fresh water               | 10,6 mg/l                      |
| n-butyl acetate   | Marine sediment           | 3,04 mg/l                      |
|   | Fresh water sediment      | 30,4 mg/l                      |
|   | Sewage treatment plant    | 100 mg/l                       |
|   | Soil                      | 0,0903 mg/kg dry weight (d.w.) |
|   | Marine water              | 0,018 mg/l                     |
|   | Fresh water               | 0,18 mg/l                      |
|   | Marine sediment           | 0,0981 mg/kg dry weight (d.w.) |
|   | Fresh water sediment      | 0,981 mg/kg dry weight (d.w.)  |
|   | Sewage treatment plant    | 35,6 mg/l                      |
|   | Intermittent use/release  | 0,36 mg/l                      |

## 8.2 Exposure controls

### Personal protective equipment

Eye/face protection : Equipment should conform to EN 166  
Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Gloves : Viton® (> 0,6 mm; < 240 min); ISO EN374 |  
PE laminate (> 0,1 mm; < 240 min); ISO EN374 |

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local condi-

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tions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : Wear a full face respirator conforming to EN136 with Type A/P2 filter or better.  
Self-contained closed-circuit breathing apparatus compressed (EN 145)  
In the case of aerosol and mist formation use an approved respirator filter (EN 141).

### SECTION 9: Physical and chemical properties

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

- Appearance : liquid
- Colour : colourless
- Odour : solvent-like
- Odour Threshold : No data available
- pH : Not applicable
- Melting point/freezing point : -94,7 °C  
(calculation method (principal components, lowest value))
- Boiling point/boiling range : 56 °C (calculation method (principal components, lowest value))
- Flash point : -18 °C (calculation method (principal components, lowest value))
- Flammability (solid, gas) : Static-accumulating flammable liquid., Combustible Solids
- Upper explosion limit / Upper flammability limit : 13 %(V)  
(calculation method (principal components, highest value))
- Lower explosion limit / Lower flammability limit : 1,1 %(V)  
(calculation method (principal components, highest value))
- Vapour pressure : 233 hPa (calculation method (principal components, highest value))  
  
(20 °C)
- Relative vapour density : 2 (calculation method (principal components, highest value))

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(Air = 1.0)

- Relative density : No data available
- Density : 0,944 g/cm<sup>3</sup>
- Solubility(ies)
- Water solubility : partly miscible
- Solubility in other solvents : Description: miscible with most organic solvents
- Partition coefficient: n-octanol/water : log Pow: 2,77 - 3,15 (calculation method (principal components, highest value))
- Ignition temperature : 465 - 525 °C (calculation method (principal components, highest value))
- Decomposition temperature : No decomposition if stored and applied as directed. Hazardous decomposition products formed under fire conditions.
- Viscosity
- Viscosity, kinematic : > 20,5 mm<sup>2</sup>/s (40 °C)
- Flow time : 22 - 27 s at 20 °C  
Cross section: 4 mm  
Method: DIN 53211
- Explosive properties : Not applicable
- Oxidizing properties : Sustains combustion

### 9.2 Other information

No data available  
VOC

- : (Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control))  
52,75 %

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

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### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and bases.

### 10.6 Hazardous decomposition products

Adequate ventilation is required.

Heating can release vapours which can be ignited.

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

#### Components:

#### reaction mixture of ethylbenzene, m-xylene and p-xylene:

Acute oral toxicity : LD50 Oral (Rat): >= 8.700 mg/kg

Acute inhalation toxicity : LC50 (Rat): 27,14 mg/l  
Test atmosphere: vapour

Acute dermal toxicity : Assessment: The component/mixture is moderately toxic after single contact with skin.

#### acetone:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

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Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

### **n-butyl acetate:**

Acute oral toxicity : LD50 Oral (Rat): >= 10.760 mg/kg

Acute dermal toxicity : LD50 (Rabbit): >= 5.000 mg/kg

### **Skin corrosion/irritation**

Causes skin irritation.

#### **Product:**

Remarks : May cause skin irritation and/or dermatitis.

#### **Components:**

##### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Result : irritating

### **Serious eye damage/eye irritation**

Causes serious eye irritation.

#### **Product:**

Remarks : May cause irreversible eye damage.

#### **Components:**

##### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Result : Eye irritation

### **acetone:**

Result : Eye irritation

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Product:**

Remarks : Causes sensitisation.

#### **Components:**

##### **mixture of benzotriazole:**

Result : Probability or evidence of skin sensitisation in humans

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### **mixture of sterically composed sebacates:**

Result : May cause sensitisation by skin contact.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

Not classified based on available information.

### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

### **mixture of sterically composed sebacates:**

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility ,based on animal experiments.

### **STOT - single exposure**

May cause respiratory irritation.  
May cause drowsiness or dizziness.

### **Components:**

### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Assessment : May cause respiratory irritation.

### **acetone:**

Assessment : May cause drowsiness or dizziness.

### **n-butyl acetate:**

Assessment : May cause drowsiness or dizziness.

### **STOT - repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

### **Components:**

### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Assessment : May cause damage to organs through prolonged or repeated exposure.

### **Aspiration toxicity**

Not classified based on available information.

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### Components:

#### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

May be fatal if swallowed and enters airways.

### **Further information**

#### Product:

Remarks : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.  
Concentrations substantially above the TLV value may cause narcotic effects.  
Solvents may degrease the skin.

---

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

##### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Toxicity to fish : LC50 (Fish):  $\geq 1 - 10$  mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)):  $\geq 1 - 10$  mg/l

Toxicity to microorganisms : EC50 (Bacteria):  $\geq 1 - 100$  mg/l

##### **acetone:**

Toxicity to fish : LC50 (Fish):  $> 1.000$  mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)):  $> 1.000$  mg/l

Toxicity to microorganisms : EC50 (Bacteria):  $> 1.000$  mg/l

##### **n-butyl acetate:**

Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)):  $> 200$  mg/l

EC50 (Desmodesmus subspicatus (green algae)):  $\geq 647,7$  mg/l  
Exposure time: 72 h

Toxicity to microorganisms : IC50 (Tetrahymena pyriformis): 356 mg/l  
Exposure time: 40 h

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### **mixture of benzotriazole:**

#### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

### **mixture of sterically composed sebacates:**

#### **Ecotoxicology Assessment**

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

## **12.2 Persistence and degradability**

### **Components:**

#### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Biodegradability : Readily biodegradable.

Photodegradation : Decomposes rapidly in contact with light.

#### **n-butyl acetate:**

Biodegradability : Result: Biodegradable  
Biodegradation: 83 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

Stability in water : Degradation half life: 78 d  
pH: 8  
Hydrolyses slowly.

Photodegradation : Decomposes rapidly in contact with light.

## **12.3 Bioaccumulative potential**

### **Components:**

#### **reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Bioaccumulation : Bioconcentration factor (BCF): 25,9  
Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 2,77 - 3,15

#### **acetone:**

Partition coefficient: n-octanol/water : log Pow: -0,24

#### **n-butyl acetate:**



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Bioaccumulation : Bioconcentration factor (BCF): 15  
Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 1,81

**mixture of sterically composed sebacates:**

Partition coefficient: n-octanol/water : log Pow: 2,37 - 2,77  
pH: 7

### 12.4 Mobility in soil

**Components:**

**reaction mixture of ethylbenzene, m-xylene and p-xylene:**

Distribution among environmental compartments : Koc: 537, log Koc: 2,73  
Moderately mobile in soils  
The product evaporates from soil.

Stability in soil : Dissipation time: 23 d  
Percentage dissipation: 50 % (DT50)

### 12.5 Results of PBT and vPvB assessment

**Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

**Product:**

Endocrine disrupting potential : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water

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courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

### SECTION 14: Transport information

#### 14.1 UN number

**UNRTDG** : UN 1263  
**IMDG** : UN 1263  
**IATA** : UN 1263  
**SANS 10228** : UN 1263

#### 14.2 UN proper shipping name

**UNRTDG** : PAINT  
**IMDG** : PAINT  
**IATA** : Paint  
**SANS 10228** : PAINT

#### 14.3 Transport hazard class(es)

|                   | Class | Subsidiary risks |
|-------------------|-------|------------------|
| <b>UNRTDG</b>     | : 3   |                  |
| <b>IMDG</b>       | : 3   |                  |
| <b>IATA</b>       | : 3   |                  |
| <b>SANS 10228</b> | : 3   |                  |

#### 14.4 Packing group

**UNRTDG**  
Packing group : II  
Labels : 3

**IMDG**  
Packing group : II  
Labels : 3  
EmS Code : F-E, S-E

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 364  
Packing instruction (LQ) : Y341

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Packing group : II  
Labels : Flammable Liquids

### IATA (Passenger)

Packing instruction (passenger aircraft) : 353  
Packing instruction (LQ) : Y341  
Packing group : II  
Labels : Flammable Liquids

### SANS 10228

Packing group : II  
Labels : 3

## 14.5 Environmental hazards

### UNRTDG

Environmentally hazardous : no

### IMDG

Marine pollutant : no

### SANS 10228

Environmentally hazardous : no

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H304 : May be fatal if swallowed and enters airways.  
H312 : Harmful in contact with skin.  
H315 : Causes skin irritation.  
H317 : May cause an allergic skin reaction.  
H319 : Causes serious eye irritation.

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- H332 : Harmful if inhaled.
- H335 : May cause respiratory irritation.
- H336 : May cause drowsiness or dizziness.
- H361f : Suspected of damaging fertility.
- H373 : May cause damage to organs through prolonged or repeated exposure.
- H400 : Very toxic to aquatic life.
- H410 : Very toxic to aquatic life with long lasting effects.
- H411 : Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

- Acute Tox. : Acute toxicity
- Aquatic Acute : Short-term (acute) aquatic hazard
- Aquatic Chronic : Long-term (chronic) aquatic hazard
- Asp. Tox. : Aspiration hazard
- Eye Irrit. : Eye irritation
- Flam. Liq. : Flammable liquids
- Repr. : Reproductive toxicity
- Skin Irrit. : Skin irritation
- Skin Sens. : Skin sensitisation
- STOT RE : Specific target organ toxicity - repeated exposure
- STOT SE : Specific target organ toxicity - single exposure
- 2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
- 2019/1831/EU : Europe. Commission Directive 2019/1831/EU establishing a fifth list of indicative occupational exposure limit values
- ZA BEI : South Africa. The Regulations for Hazardous Chemical Agents, Biological Exposure Indices
- ZA OEL : South Africa. The Regulations for Hazardous Chemical Agents, Occupational Exposure Limits
- 2000/39/EC / TWA : Limit Value - eight hours
- 2000/39/EC / STEL : Short term exposure limit
- 2019/1831/EU / TWA : Limit Value - eight hours
- 2019/1831/EU / STEL : Short term exposure limit
- ZA OEL / TWA OEL-RL : Long term occupational exposure limits - recommended limit
- ZA OEL / STEL OEL-RL : Short term occupational exposure limits - recommended limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization;

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KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

|                   |      |
|-------------------|------|
| Flam. Liq. 2      | H225 |
| Skin Irrit. 2     | H315 |
| Eye Irrit. 2      | H319 |
| STOT SE 3         | H336 |
| STOT SE 3         | H335 |
| STOT RE 2         | H373 |
| Aquatic Chronic 3 | H412 |

#### Classification procedure:

|                                     |
|-------------------------------------|
| Based on product data or assessment |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |
| Calculation method                  |

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.