

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK REACH Regulation SI 2019/758

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

### 1.1 Product identifier

**Product identifier** : RWPGCAL  
**Product name** : RAPTOR WHEEL PAINT CLEARCOAT  
**Product type** : Aerosol.  
**Other means of identification** : RWPGC/AL  
**Date of issue/ Date of revision** : 13 May 2026  
**Version** : 1.07  
**Date of previous issue** : 14 April 2026

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

**Identified uses** : Coating component.  
**Uses advised against** : Not for sale to or use by consumers.

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

U-POL LTD,  
DENINGTON ROAD,  
WELLINGBOROUGH,  
NN8 2QH  
+44 (0) 1933 230310  
sds-competence@axalta.com

**e-mail address of person responsible for this SDS** : sds-competence@axalta.com

U-POL NETHERLANDS B.V,  
DE GEER 14,  
4004LT TIEL,  
NETHERLANDS  
+31 20 240 2216  
sds-competence@axalta.com

### 1.4 Emergency telephone number

#### Supplier

**Telephone number** : +(44)-870-8200418

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

#### Classification according to UK CLP/GHS

Aerosol 1, H222, H229  
Skin Irrit. 2, H315  
Eye Dam. 1, H318  
Skin Sens. 1, H317  
STOT SE 3, H336

**SECTION 2: Hazards identification**

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

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**

:

**Signal word**

: Danger

**Contains**

: butanone  
n-butyl acetate  
cyclohexanone  
reaction mass of  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)  
propionyl- $\omega$ -hydroxypoly(oxyethylene) and  $\alpha$ -3  
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl  
1,2,2,6,6-pentamethyl-4-piperidyl sebacate

**Hazard statements**

: H222, H229 - Extremely flammable aerosol. Pressurised container: may burst if heated.  
H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.

**Precautionary statements****Prevention**

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 - Do not spray on an open flame or other ignition source.  
P251 - Do not pierce or burn, even after use.

**Response**

: P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor.

**Storage**

: P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Disposal**

: 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**

: Not applicable.

**2.3 Other hazards****Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII**

: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification**

: None known.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

: Mixture

| Product/ingredient name                                                                                                  | Identifiers                                                                           | %         | Classification                                                                                                                                                                             | Type    |
|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| dimethyl ether                                                                                                           | REACH #:<br>01-2119472128-37<br>EC: 204-065-8<br>CAS: 115-10-6<br>Index: 603-019-00-8 | ≥25 - ≤50 | Flam. Gas 1A, H220<br>Press. Gas (Comp.),<br>H280                                                                                                                                          | [1] [2] |
| butanone                                                                                                                 | REACH #:<br>01-2119457290-43<br>EC: 201-159-0<br>CAS: 78-93-3                         | ≥10 - ≤25 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066                                                                                                                      | [1] [2] |
| n-butyl acetate                                                                                                          | REACH #:<br>01-2119485493-29<br>EC: 204-658-1<br>CAS: 123-86-4                        | ≥10 - ≤25 | Flam. Liq. 3, H226<br>STOT SE 3, H336<br>EUH066                                                                                                                                            | [1] [2] |
| cyclohexanone                                                                                                            | REACH #:<br>01-2119453616-35<br>EC: 203-631-1<br>CAS: 108-94-1<br>Index: 606-010-00-7 | ≥10 - <20 | Flam. Liq. 3, H226<br>Acute Tox. 4, H302<br>Acute Tox. 4, H312<br>Acute Tox. 4, H332<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335                                         | [1] [2] |
| methyl acetate                                                                                                           | REACH #:<br>01-2119459211-47<br>EC: 201-185-2<br>CAS: 79-20-9<br>Index: 607-021-00-X  | ≤10       | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336<br>EUH066                                                                                                                      | [1] [2] |
| Paraffin waxes and Hydrocarbon waxes, chloro                                                                             | EC: 264-150-0<br>CAS: 63449-39-8                                                      | ≤3        | Eye Irrit. 2, H319                                                                                                                                                                         | [1]     |
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3 | REACH #: Polymer<br>EC: 400-830-7                                                     | ≤0.2      | Skin Sens. 1A, H317<br>Aquatic Chronic 2, H411                                                                                                                                             | [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  | REACH #:<br>01-2119491304-40<br>EC: 915-687-0<br>CAS: 1065336-91-5                    | <0.1      | Skin Sens. 1A, H317<br>Repr. 2, H361 (oral)<br>Aquatic Acute 1, H400 (M=1)<br>Aquatic Chronic 1, H410 (M=1)<br><b>See Section 16 for the full text of the H statements declared above.</b> | [1]     |

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 physical, health or environmental hazard

[2] Substance with a workplace exposure limit

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

**SECTION 4: First aid measures****4.1 Description of first aid measures****Eye contact**

: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

## SECTION 4: First aid measures

- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : 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.

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

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing  
nausea or vomiting  
headache  
drowsiness/fatigue  
dizziness/vertigo  
unconsciousness
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

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

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

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

**Unsuitable extinguishing media** : Do not use water jet.

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

**Hazards from the substance or mixture** : Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

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

### 5.3 Advice for firefighters

**Special protective actions for fire-fighters** : Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses.

**Special protective equipment for fire-fighters** : Appropriate breathing apparatus may be required.

## SECTION 6: Accidental release measures

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

**For non-emergency personnel** : Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.

**For emergency responders** : 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".

**6.2 Environmental precautions** : 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.

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

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.

**6.4 Reference to other sections** : 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.

## 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

Prevent the creation of flammable or explosive concentrations of vapours in air and avoid vapour concentrations higher than the occupational exposure limits.

In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another.

Operators should wear antistatic footwear and clothing and floors should be of the conducting type.

Keep away from heat, sparks and flame. No sparking tools should be used.

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Put on appropriate personal protective equipment (see Section 8).

Never use pressure to empty. Container is not a pressure vessel.

**SECTION 7: Handling and storage**

Always keep in containers made from the same material as the original one.

Comply with the health and safety at work laws.

Do not allow to enter drains or watercourses.

**Information on fire and explosion protection**

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

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

Store in accordance with local regulations.

**Notes on joint storage**

Keep away from: oxidising agents, strong alkalis, strong acids.

**Additional information on storage conditions**

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight.

Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

**Seveso Directive - Reporting thresholds****Danger criteria**

| Category | Notification and MAPP threshold | Safety report threshold |
|----------|---------------------------------|-------------------------|
| P3a      | 150 tonnes                      | 500 tonnes              |

**7.3 Specific end use(s)**

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

dimethyl ether

**EH40/2005 WELs (United Kingdom (UK), 1/2020)**

STEL 15 minutes: 958 mg/m<sup>3</sup>.

STEL 15 minutes: 500 ppm.

TWA 8 hours: 400 ppm.

TWA 8 hours: 766 mg/m<sup>3</sup>.

butanone

**EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin.**

STEL 15 minutes: 899 mg/m<sup>3</sup>.

STEL 15 minutes: 300 ppm.

TWA 8 hours: 600 mg/m<sup>3</sup>.

TWA 8 hours: 200 ppm.

n-butyl acetate

**EH40/2005 WELs (United Kingdom (UK), 1/2020)**

STEL 15 minutes: 966 mg/m<sup>3</sup>.

STEL 15 minutes: 200 ppm.

TWA 8 hours: 724 mg/m<sup>3</sup>.

TWA 8 hours: 150 ppm.

cyclohexanone

**EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin.**

STEL 15 minutes: 20 ppm.

TWA 8 hours: 10 ppm.

STEL 15 minutes: 82 mg/m<sup>3</sup>.

TWA 8 hours: 41 mg/m<sup>3</sup>.

methyl acetate

**EH40/2005 WELs (United Kingdom (UK), 1/2020)**

STEL 15 minutes: 770 mg/m<sup>3</sup>.

STEL 15 minutes: 250 ppm.

TWA 8 hours: 616 mg/m<sup>3</sup>.

TWA 8 hours: 200 ppm.

**Biological exposure indices**

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

| Product/ingredient name | Exposure indices                                                                                                                        |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| butanone                | <b>EH40/2005 BMGVs (United Kingdom (UK), 1/2020)</b><br>BGV: 70 µmol/l, butan-2-one [in urine]. Sampling time: post shift.              |
| cyclohexanone           | <b>EH40/2005 BMGVs (United Kingdom (UK), 1/2020)</b><br>BGV: 2 mmol/mol creatinine, cyclohexanol [in urine]. Sampling time: post shift. |

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS 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.

**DNELs/DMELs**

| Product/ingredient name | Result                                                                                                           |
|-------------------------|------------------------------------------------------------------------------------------------------------------|
| dimethyl ether          | <b>DNEL - General population - Long term - Inhalation</b><br>471 mg/m <sup>3</sup><br><u>Effects</u> : Systemic  |
| -                       | <b>DNEL - Workers - Long term - Inhalation</b><br>1894 mg/m <sup>3</sup><br><u>Effects</u> : Systemic            |
| butanone                | <b>DNEL - Workers - Long term - Inhalation</b><br>200.539 ppm<br><u>Effects</u> : Systemic                       |
| -                       | <b>DNEL - General population - Long term - Oral</b><br>31 mg/kg bw/day<br><u>Effects</u> : Systemic              |
| -                       | <b>DNEL - General population - Long term - Inhalation</b><br>106 mg/m <sup>3</sup><br><u>Effects</u> : Systemic  |
| -                       | <b>DNEL - General population - Long term - Dermal</b><br>412 mg/kg bw/day<br><u>Effects</u> : Systemic           |
| -                       | <b>DNEL - General population - Short term - Inhalation</b><br>450 mg/m <sup>3</sup><br><u>Effects</u> : Systemic |
| -                       | <b>DNEL - Workers - Long term - Inhalation</b><br>600 mg/m <sup>3</sup><br><u>Effects</u> : Systemic             |
| -                       | <b>DNEL - Workers - Short term - Inhalation</b><br>900 mg/m <sup>3</sup><br><u>Effects</u> : Systemic            |
| -                       | <b>DNEL - Workers - Long term - Dermal</b><br>1161 mg/kg bw/day<br><u>Effects</u> : Systemic                     |
| n-butyl acetate         | <b>DNEL - Workers - Short term - Dermal</b><br>11 mg/kg bw/day<br><u>Effects</u> : Systemic                      |

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

|               |                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------|
| -             | <b>DNEL - General population - Long term - Oral</b><br>2 mg/kg bw/day<br><u>Effects</u> : Systemic               |
| -             | <b>DNEL - General population - Short term - Oral</b><br>2 mg/kg bw/day<br><u>Effects</u> : Systemic              |
| -             | <b>DNEL - General population - Long term - Dermal</b><br>3.4 mg/kg bw/day<br><u>Effects</u> : Systemic           |
| -             | <b>DNEL - General population - Short term - Dermal</b><br>6 mg/kg bw/day<br><u>Effects</u> : Systemic            |
| -             | <b>DNEL - Workers - Short term - Dermal</b><br>11 mg/kg bw/day<br><u>Effects</u> : Systemic                      |
| -             | <b>DNEL - General population - Long term - Inhalation</b><br>12 mg/m <sup>3</sup><br><u>Effects</u> : Systemic   |
| -             | <b>DNEL - General population - Long term - Inhalation</b><br>35.7 mg/m <sup>3</sup><br><u>Effects</u> : Local    |
| -             | <b>DNEL - General population - Short term - Inhalation</b><br>300 mg/m <sup>3</sup><br><u>Effects</u> : Local    |
| -             | <b>DNEL - General population - Short term - Inhalation</b><br>300 mg/m <sup>3</sup><br><u>Effects</u> : Systemic |
| -             | <b>DNEL - Workers - Long term - Inhalation</b><br>300 mg/m <sup>3</sup><br><u>Effects</u> : Local                |
| -             | <b>DNEL - Workers - Short term - Inhalation</b><br>600 mg/m <sup>3</sup><br><u>Effects</u> : Local               |
| -             | <b>DNEL - Workers - Short term - Inhalation</b><br>600 mg/m <sup>3</sup><br><u>Effects</u> : Systemic            |
| -             | <b>DNEL - Workers - Long term - Inhalation</b><br>300 mg/m <sup>3</sup><br><u>Effects</u> : Systemic             |
| cyclohexanone | <b>DNEL - Workers - Long term - Inhalation</b><br>9.8 ppm<br><u>Effects</u> : Systemic                           |
| -             | <b>DNEL - General population - Short term - Dermal</b><br>1 mg/kg bw/day<br><u>Effects</u> : Systemic            |
| -             | <b>DNEL - General population - Long term - Dermal</b><br>1 mg/kg bw/day<br><u>Effects</u> : Systemic             |

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

|                |                                                                                                                  |
|----------------|------------------------------------------------------------------------------------------------------------------|
| -              | <b>DNEL - General population - Short term - Oral</b><br>1.5 mg/kg bw/day<br><u>Effects</u> : Systemic            |
| -              | <b>DNEL - General population - Long term - Oral</b><br>1.5 mg/kg bw/day<br><u>Effects</u> : Systemic             |
| -              | <b>DNEL - General population - Long term - Inhalation</b><br>2.55 mg/m <sup>3</sup><br><u>Effects</u> : Systemic |
| -              | <b>DNEL - Workers - Short term - Dermal</b><br>4 mg/kg bw/day<br><u>Effects</u> : Systemic                       |
| -              | <b>DNEL - Workers - Long term - Dermal</b><br>4 mg/kg bw/day<br><u>Effects</u> : Systemic                        |
| -              | <b>DNEL - General population - Short term - Inhalation</b><br>5 mg/m <sup>3</sup><br><u>Effects</u> : Systemic   |
| -              | <b>DNEL - Workers - Long term - Inhalation</b><br>10 mg/m <sup>3</sup><br><u>Effects</u> : Local                 |
| -              | <b>DNEL - Workers - Long term - Inhalation</b><br>10 mg/m <sup>3</sup><br><u>Effects</u> : Systemic              |
| -              | <b>DNEL - Workers - Short term - Inhalation</b><br>20 mg/m <sup>3</sup><br><u>Effects</u> : Local                |
| -              | <b>DNEL - Workers - Short term - Inhalation</b><br>20 mg/m <sup>3</sup><br><u>Effects</u> : Systemic             |
| methyl acetate | <b>DNEL - General population - Long term - Oral</b><br>21.5 mg/kg bw/day<br><u>Effects</u> : Systemic            |
| -              | <b>DNEL - General population - Long term - Dermal</b><br>21.5 mg/kg bw/day<br><u>Effects</u> : Systemic          |
| -              | <b>DNEL - Workers - Long term - Dermal</b><br>43 mg/kg bw/day<br><u>Effects</u> : Systemic                       |
| -              | <b>DNEL - General population - Long term - Inhalation</b><br>64 mg/m <sup>3</sup><br><u>Effects</u> : Systemic   |
| -              | <b>DNEL - General population - Long term - Inhalation</b><br>133 mg/m <sup>3</sup><br><u>Effects</u> : Local     |
| -              | <b>DNEL - General population - Short term - Oral</b><br>203 mg/kg bw/day<br><u>Effects</u> : Systemic            |

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

|                                                                                                                          |                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| -                                                                                                                        | <b>DNEL - General population - Short term - Dermal</b><br>203 mg/kg bw/day<br><u>Effects</u> : Systemic           |
| -                                                                                                                        | <b>DNEL - Workers - Long term - Inhalation</b><br>300 mg/m <sup>3</sup><br><u>Effects</u> : Systemic              |
| -                                                                                                                        | <b>DNEL - Workers - Long term - Inhalation</b><br>620 mg/m <sup>3</sup><br><u>Effects</u> : Local                 |
| -                                                                                                                        | <b>DNEL - General population - Short term - Inhalation</b><br>3777 mg/m <sup>3</sup><br><u>Effects</u> : Systemic |
| -                                                                                                                        | <b>DNEL - Workers - Short term - Inhalation</b><br>3777 mg/m <sup>3</sup><br><u>Effects</u> : Systemic            |
| Paraffin waxes and Hydrocarbon waxes, chloro                                                                             | <b>DNEL - General population - Long term - Oral</b><br>4.5 mg/kg bw/day<br><u>Effects</u> : Systemic              |
| -                                                                                                                        | <b>DNEL - Workers - Long term - Inhalation</b><br>63.5 mg/m <sup>3</sup><br><u>Effects</u> : Systemic             |
| -                                                                                                                        | <b>DNEL - General population - Long term - Dermal</b><br>225 mg/kg bw/day<br><u>Effects</u> : Systemic            |
| -                                                                                                                        | <b>DNEL - Workers - Long term - Dermal</b><br>450 mg/kg bw/day<br><u>Effects</u> : Systemic                       |
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3 | <b>DNEL - Workers - Long term - Inhalation</b><br>0.35 mg/m <sup>3</sup><br><u>Effects</u> : Systemic             |
| -                                                                                                                        | <b>DNEL - Workers - Long term - Dermal</b><br>0.5 mg/kg<br><u>Effects</u> : Systemic                              |
| -                                                                                                                        | <b>DNEL - General population - Long term - Inhalation</b><br>0.085 mg/m <sup>3</sup><br><u>Effects</u> : Systemic |
| -                                                                                                                        | <b>DNEL - General population - Long term - Dermal</b><br>0.25 mg/kg<br><u>Effects</u> : Systemic                  |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate   | <b>DNEL - Workers - Long term - Inhalation</b><br>3.53 mg/m <sup>3</sup><br><u>Effects</u> : Systemic             |
| -                                                                                                                        | <b>DNEL - Workers - Long term - Dermal</b><br>2 mg/kg<br><u>Effects</u> : Systemic                                |
| -                                                                                                                        | <b>DNEL - General population - Long term - Oral</b><br>0.18 mg/kg bw/day<br><u>Effects</u> : Systemic             |

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|   |                                                                                                        |
|---|--------------------------------------------------------------------------------------------------------|
| - | <b>DNEL - General population - Long term - Inhalation</b><br>0.31 mg/m³<br><u>Effects</u> : Systemic   |
| - | <b>DNEL - General population - Long term - Dermal</b><br>0.9 mg/kg bw/day<br><u>Effects</u> : Systemic |
| - | <b>DNEL - Workers - Long term - Inhalation</b><br>1.27 mg/m³<br><u>Effects</u> : Systemic              |
| - | <b>DNEL - Workers - Long term - Dermal</b><br>1.8 mg/kg bw/day<br><u>Effects</u> : Systemic            |

PNECs

| Product/ingredient name                                                                                                  | Result                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| butanone                                                                                                                 | <b>Fresh water</b><br>55.8 mg/l<br><br><b>Sewage Treatment Plant</b><br>709 mg/l<br><br><b>Fresh water sediment</b><br>284.7 mg/kg<br><br><b>Marine water sediment</b><br>284.7 mg/kg<br><br><b>Marine water</b><br>55.8 mg/l<br><br><b>Sewage Treatment Plant</b><br>22.5 mg/kg |
| n-butyl acetate                                                                                                          | <b>Soil</b><br>0.09 mg/kg<br><br><b>Fresh water</b><br>0.18 mg/l<br><br><b>Sewage Treatment Plant</b><br>35.6 mg/l<br><br><b>Marine water</b><br>0.018 mg/l<br><br><b>Fresh water sediment</b><br>0.981 mg/kg<br><br><b>Marine water sediment</b><br>0.098 mg/kg                 |
| cyclohexanone                                                                                                            | <b>Fresh water</b><br>0.0329 mg/l<br><br><b>Marine water</b><br>0.0329 mg/l                                                                                                                                                                                                      |
| reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3 | <b>Fresh water</b><br>0.0023 mg/l                                                                                                                                                                                                                                                |

**SECTION 8: Exposure controls/personal protection****Marine water**

0.00023 mg/l

**Sewage Treatment Plant**

10 mg/l

**Fresh water sediment**

3.37 mg/kg

**Marine water sediment**

0.337 mg/kg

**Soil**

2 mg/kg

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

**Fresh water**

0.0022 mg/l

**Marine water**

0.00022 mg/l

**Secondary Poisoning**

0.009 mg/l

**Fresh water sediment**

1.05 mg/kg

**Marine water sediment**

0.11 mg/kg

**Soil**

0.21 mg/kg

**Sewage Treatment Plant**

1 mg/l

**8.2 Exposure controls**

**Appropriate engineering 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.

**Individual protection measures**

**Hygiene 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.

**Eye/face protection** : Use safety eyewear designed to protect against splash of liquids.

**Skin protection****Hand protection**

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

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

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

**Gloves** : Duration / breakthrough time: <1 hour,  
 Glove material: NBR, nitrile rubber, material thickness as splash protection: at least 0.2 mm, (EN374)  
 Glove material: NBR, nitrile rubber Material thickness for short-term contact: at least 0.5 mm, (EN374)  
 The recommendation for the type or types of glove to use when handling this product is based on information from the following source:  
 Expert judgment  
 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.

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

**Other skin 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.

**Respiratory protection** : If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators.  
 A management program to ensure safe use including proper fitting, training on handling, duration of use, cleaning and replacement of respirators must be in place.  
 Recommended:  
 EN 140 filter mask with AXP3 or ABEK2P3 filter according to EN 14387 or pressurized air respirator according to EN 14594.  
 Depending on the risk assessment of the workplace, other respirator types might be selected.

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.

**Environmental exposure controls** : Do not allow to enter drains or watercourses.

**SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

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

**Physical state** : Liquid.  
**Colour** : Clear.  
**Odour** : Characteristic.  
**Odour threshold** : Not available.  
**Melting point/freezing point** : Technically not possible to measure  
**Initial boiling point and boiling range** : Not applicable.  
**Flammability (solid, gas)** : Not available.  
**Upper/lower flammability or explosive limits** : Lower: 1%  
 Upper: 26.2%  
 Not available.  
**Flash point** : Closed cup: -41°C (-41.8°F)  
**Auto-ignition temperature** : 350°C (662°F)  
**Decomposition temperature** : Not applicable.  
**pH** : Not applicable.

**SECTION 9: Physical and chemical properties**

|                                                    |                                                                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Viscosity</b>                                   | : Dynamic (room temperature): Not available.<br>Kinematic (room temperature): Not available.<br>Kinematic (40°C): Not available. |
| <b>Solubility in water</b>                         | : Not available.                                                                                                                 |
| <b>Miscible with water</b>                         | : Yes.                                                                                                                           |
| <b>Partition coefficient: n-octanol/<br/>water</b> | : Not applicable.                                                                                                                |
| <b>Vapour pressure</b>                             | : 208.4 kPa (1563.14 mm Hg)                                                                                                      |
| <b>Relative density</b>                            | : Not available.                                                                                                                 |
| <b>Density</b>                                     | : 0.807 g/cm <sup>3</sup>                                                                                                        |
| <b>Vapour density</b>                              | : Not available.                                                                                                                 |
| <b>Explosive properties</b>                        | : Not available.                                                                                                                 |
| <b>Oxidising properties</b>                        | : Not available.                                                                                                                 |
| <b>Weight volatiles</b>                            | : 83.7 % (w/w)                                                                                                                   |
| <b>VOC content</b>                                 | : (2010/75/EU)                                                                                                                   |
| <b><u>Particle characteristics</u></b>             |                                                                                                                                  |
| <b>Median particle size</b>                        | : Not applicable.                                                                                                                |

**9.2 Other information****9.2.1 Information with regard to physical hazard classes**

**Heat of combustion** : 25.98 kJ/g

**Aerosol product**

**Type of aerosol** : Spray

Further information Not available.

**9.2.2 Other safety characteristics**

**Miscible with water** : Yes.

Further information Not available.

*room temperature (=20°C)*

**SECTION 10: Stability and reactivity**

|                                                    |                                                                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>10.1 Reactivity</b>                             | : No specific test data related to reactivity available for this product or its ingredients.                                     |
| <b>10.2 Chemical stability</b>                     | : Stable under recommended storage and handling conditions (see Section 7).                                                      |
| <b>10.3 Possibility of<br/>hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.                                                |
| <b>10.4 Conditions to avoid</b>                    | : When exposed to high temperatures may produce hazardous decomposition products.                                                |
| <b>10.5 Incompatible materials</b>                 | : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids. |
| <b>10.6 Hazardous<br/>decomposition products</b>   | : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.        |

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity****Product/ingredient name**

dimethyl ether

**Result****Rat - Oral - LD50**

&gt;99999 mg/kg

**Rat - Dermal - LD50**

&gt;99999 mg/kg

**Rat - Inhalation - LC50 Vapour**309 g/m<sup>3</sup> [4 hours]**Rat - Inhalation - LC50 Gas.**

164000 ppm [4 hours]

Toxic effects: Behavioral - Ataxia Behavioral - Coma

butanone

**Rabbit - Dermal - LD50**

6480 mg/kg

**Rat - Oral - LD50**

2737 mg/kg

n-butyl acetate

**Rat - Oral - LD50**

10768 mg/kg

Toxic effects: Behavioral - Somnolence (general depressed activity) Lung, Thorax, or Respiration - Other changes Liver - Other changes**Rabbit - Dermal - LD50**

&gt;17600 mg/kg

**Rat - Inhalation - LC50 Vapour**

21.1 mg/l [4 hours]

cyclohexanone

**Rat - Oral - LD50**

1800 mg/kg

**Rat - Inhalation - LC50 Gas.**

8000 ppm [4 hours]

methyl acetate

**Rat - Oral - LD50**

&gt;5 g/kg

**Rabbit - Dermal - LD50**

&gt;5 g/kg

Paraffin waxes and Hydrocarbon waxes,  
chloro**Rat - Oral - LD50**

26100 mg/kg

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

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

**Rat - Male, Female - Oral - LD50**

3230 mg/kg

OECD [Acute Oral toxicity - Acute Toxic Class Method]

**Rat - Male, Female - Dermal - LD50**

&gt;3170 mg/kg

OECD [Acute Dermal Toxicity]

**Conclusion/Summary [Product]** : Not available.**Acute toxicity estimates**

**SECTION 11: Toxicological information**

| Product/ingredient name                                                                                                | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|------------------------------------------------------------------------------------------------------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| mixture                                                                                                                | 15814.4      | 9664.4         | 70286.4                  | N/A                         | N/A                                 |
| dimethyl ether                                                                                                         | N/A          | N/A            | 164000                   | 309                         | N/A                                 |
| butanone                                                                                                               | 2737         | 6480           | N/A                      | N/A                         | N/A                                 |
| n-butyl acetate                                                                                                        | 10768        | N/A            | N/A                      | 21.1                        | N/A                                 |
| cyclohexanone                                                                                                          | 1800         | 1100           | 8000                     | N/A                         | N/A                                 |
| Paraffin waxes and Hydrocarbon waxes, chloro                                                                           | 26100        | N/A            | N/A                      | N/A                         | N/A                                 |
| Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | 3230         | N/A            | N/A                      | N/A                         | N/A                                 |

**Skin corrosion/irritation****Product/ingredient name**

butanone

**Result****Rabbit - Skin - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 14 mg**Rabbit - Skin - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 402 mg**Rabbit - Skin - Moderate irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 500 mg

cyclohexanone

**Human - Skin - Mild irritant**Duration of treatment/exposure: 48 hoursAmount/concentration applied: 50 %**Rabbit - Skin - Mild irritant**Amount/concentration applied: 500 mg**Rabbit - Skin - Irritant**

OECD [Acute Dermal Irritation/Corrosion]

methyl acetate

**Rabbit - Skin - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 500 mg**Rabbit - Skin - Moderate irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 20 mg

Paraffin waxes and Hydrocarbon waxes, chloro

**Rat - Skin - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 100 mg**Conclusion/Summary [Product]** : Not available.**Serious eye damage/eye irritation****Product/ingredient name****Result**

**SECTION 11: Toxicological information**

cyclohexanone

**Rabbit - Eyes - Severe irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 250 ug**Rabbit - Eyes - Severe irritant**Amount/concentration applied: 20 mg

methyl acetate

**Rabbit - Eyes - Moderate irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 100 mgParaffin waxes and Hydrocarbon waxes,  
chloro**Rabbit - Eyes - Mild irritant**Amount/concentration applied: 100 mg**Conclusion/Summary [Product]** : Not available.**Respiratory corrosion/irritation**

Not available.

**Conclusion/Summary [Product]** : Not available.**Respiratory or skin sensitization**

Not available.

**Skin****Conclusion/Summary [Product]** : Not available.**Respiratory****Conclusion/Summary [Product]** : Not available.**Germ cell mutagenicity**

Not available.

**Conclusion/Summary [Product]** : Not available.**Carcinogenicity**

Not available.

**Conclusion/Summary [Product]** : Not available.**Reproductive toxicity**

Not available.

**Conclusion/Summary [Product]** : Not available.**Specific target organ toxicity (single exposure)****Product/ingredient name**

butanone

n-butyl acetate

cyclohexanone

methyl acetate

**Result**

STOT SE 3, H336 (Narcotic effects)

STOT SE 3, H336 (Narcotic effects)

STOT SE 3, H335 (Respiratory tract irritation)

STOT SE 3, H336 (Narcotic effects)

## SECTION 11: Toxicological information

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on likely routes of exposure

Not available.

### Potential acute health effects

- |                     |                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | : Causes serious eye damage.                                                            |
| <b>Inhalation</b>   | : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. |
| <b>Skin contact</b> | : Causes skin irritation. May cause an allergic skin reaction.                          |
| <b>Ingestion</b>    | : Can cause central nervous system (CNS) depression.                                    |

### Symptoms related to the physical, chemical and toxicological characteristics

- |                     |                                                                                                                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>  | : Adverse symptoms may include the following:<br>pain<br>watering<br>redness                                                                                                              |
| <b>Inhalation</b>   | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing<br>nausea or vomiting<br>headache<br>drowsiness/fatigue<br>dizziness/vertigo<br>unconsciousness |
| <b>Skin contact</b> | : Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>blistering may occur                                                                                    |
| <b>Ingestion</b>    | : Adverse symptoms may include the following:<br>stomach pains                                                                                                                            |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### **Short term exposure**

- |                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

#### **Long term exposure**

- |                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

### Potential chronic health effects

Not available.

**Conclusion/Summary [Product]** : Not available.

- |                              |                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>General</b>               | : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| <b>Carcinogenicity</b>       | : No known significant effects or critical hazards.                                                   |
| <b>Mutagenicity</b>          | : No known significant effects or critical hazards.                                                   |
| <b>Reproductive toxicity</b> | : No known significant effects or critical hazards.                                                   |

### Other information

**SECTION 11: Toxicological information**

Not available.

**SECTION 12: Ecological information****12.1 Toxicity****Product/ingredient name**

butanone

**Result****Acute - EC50 - Fresh water**Daphnia - Water flea - *Daphnia magna* - LarvaeAge: <24 hours

5091 mg/l [48 hours]

Effect: Intoxication**Acute - LC50 - Fresh water**Fish - Fathead minnow - *Pimephales promelas*Age: 31 days; Size: 22 mm; Weight: 0.167 g

3220 mg/l [96 hours]

Effect: Mortality**Acute - EC50 - Marine water**Algae - Diatom - *Skeletonema costatum*

&gt;500 mg/l [96 hours]

Effect: Population

n-butyl acetate

**Acute - LC50 - Marine water**Fish - Inland silverside - *Menidia beryllina*

185 ppm [96 hours]

Effect: Mortality

cyclohexanone

**Acute - LC50 - Fresh water**Fish - Fathead minnow - *Pimephales promelas*Age: 30 days; Size: 20.2 mm; Weight: 0.127 g

527 mg/l [96 hours]

Effect: Mortality**Chronic - EC10**Algae - Green algae - *Chlamydomonas reinhardtii* -

Exponential growth phase

Age: 7 days

3.56 mg/l [72 hours]

Effect: Population**Acute - EC50**Algae - Green algae - *Chlamydomonas reinhardtii* -

Exponential growth phase

Age: 7 days

32.9 mg/l [72 hours]

Effect: Population

methyl acetate

**Acute - LC50 - Fresh water**Fish - Fathead minnow - *Pimephales promelas*Age: 28 to 32 days; Size: 17.5 mm; Weight: 0.087 g

320 mg/l [96 hours]

Effect: MortalityParaffin waxes and Hydrocarbon waxes,  
chloro**Acute - LC50 - Marine water**Fish - Bleak - *Alburnus alburnus*

&gt;5000 mg/l [96 hours]

Effect: Mortalityreaction mass of  $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-  
-5-tert-butyl-4-hydroxyphenyl)propionyl- $\omega$ -  
hydroxypoly(oxyethylene) and  $\alpha$ -3**Acute - LC50**

OECD 203

Fish

2.8 mg/l [96 hours]

**SECTION 12: Ecological information****Acute - EC50**

Daphnia

4 mg/l [48 hours]

**Acute - EC50**

OECD 201

Aquatic plants

&gt;100 mg/l [72 hours]

**Acute - EC50**

Micro-organism

&gt;1000 mg/l [3 hours]

**Chronic - NOEC**

OECD 202

Daphnia

0.78 mg/l [21 days]

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

**Acute - LC50**

OECD 203, semistatic

Fish - *Brachydanio rerio*

0.9 mg/l [96 hours]

**Chronic - NOEC - Fresh water**

OECD [Daphnia Magna Reproduction Test]

Daphnia

1 mg/l [21 days]

**Acute - EC50 - Fresh water**

OECD [Alga, Growth Inhibition Test]

Algae

1.68 mg/l [72 hours]

**Conclusion/Summary [Product]** : Not available.**12.2 Persistence and degradability**

Not available.

**Conclusion/Summary [Product]** : Not available.**12.3 Bioaccumulative potential**

| Product/ingredient name                         | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------------------------------|--------------------|-----|-----------|
| dimethyl ether                                  | 0.07               | -   | Low       |
| butanone                                        | 0.3                | -   | Low       |
| n-butyl acetate                                 | 2.3                | -   | Low       |
| cyclohexanone                                   | 0.86               | -   | Low       |
| methyl acetate                                  | 0.18               | -   | Low       |
| Paraffin waxes and<br>Hydrocarbon waxes, chloro | 7.46 to 11.48      | -   | High      |

**12.4 Mobility in soil**

**Soil/water partition coefficient** : Not available.

**SECTION 12: Ecological information****Mobility** : Not available.**12.5 Results of PBT and vPvB assessment**

| Product/ingredient name                                                                                                                             | PBT | P   | B   | T   | vPvB | vP  | vB  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|------|-----|-----|
| dimethyl ether                                                                                                                                      | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| butanone                                                                                                                                            | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| n-butyl acetate                                                                                                                                     | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| cyclohexanone                                                                                                                                       | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| methyl acetate                                                                                                                                      | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| Paraffin waxes and Hydrocarbon waxes, chloro                                                                                                        | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| reaction mass of $\alpha$ -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl) propionyl- $\omega$ -hydroxypoly (oxyethylene) and $\alpha$ -3 | No  | N/A | N/A | No  | N/A  | N/A | N/A |
| Reaction mass of bis (1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl                                                                        | N/A | N/A | N/A | Yes | N/A  | N/A | N/A |
| 1,2,2,6,6-pentamethyl-4-piperidyl sebacate                                                                                                          |     |     |     |     |      |     |     |

**12.6 Other adverse effects** : No known significant effects or critical hazards.**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**

**Methods of disposal** : 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.

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

**Packaging**

**Methods of disposal** : 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.

| Type of packaging | Waste catalogue                                                                    |
|-------------------|------------------------------------------------------------------------------------|
|                   | 15 01 10* packaging containing residues of or contaminated by hazardous substances |

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

**SECTION 14: Transport information**

RAPTOR WHEEL PAINT CLEARCOAT

SECTION 14: Transport information

|                                 | ADR/RID                                                                                | ADN                                                                                    | IMDG                                                                                      | IATA                                                                                       |
|---------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| 14.1 UN number                  | UN1950                                                                                 | UN1950                                                                                 | UN1950                                                                                    | UN1950                                                                                     |
| 14.2 UN proper shipping name    | AEROSOLS                                                                               | AEROSOLS                                                                               | AEROSOLS                                                                                  | Aerosols, flammable                                                                        |
| 14.3 Transport hazard class(es) | 2<br> | 2<br> | 2.1<br> | 2.1<br> |
| 14.4 Packing group              | -                                                                                      | -                                                                                      | -                                                                                         | -                                                                                          |
| 14.5 Environmental hazards      | No.                                                                                    | No.                                                                                    | No.                                                                                       | No.                                                                                        |

Additional information

- ADR/RID : **Tunnel code** (D)
- 14.6 Special precautions for user : **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.
- 14.7 Transport in bulk according to IMO instruments : Not available.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
UK (GB)/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.

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

| Product/ingredient name | %   | Designation [Usage] |
|-------------------------|-----|---------------------|
| mixture                 | ≥90 | 3                   |

Labelling : Not applicable.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria

| Category |
|----------|
| P3a      |

National regulations

| Product/ingredient name | List name | Name on list | Classification | Notes |
|-------------------------|-----------|--------------|----------------|-------|
|                         |           |              |                |       |

International regulations

**SECTION 15: Regulatory information****Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments are still required.

**SECTION 16: Other information**

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** :

- ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
- ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ATE = Acute Toxicity Estimate
- GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = GB CLP-specific Hazard statement
- IATA = International Air Transport Association
- IMDG = International Maritime Dangerous Goods
- IMO = International Maritime Organization
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

**Procedure used to derive the classification**

| Classification                                                                                            | Justification                                                                                                 |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Aerosol 1, H222, H229<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT SE 3, H336 | On basis of test data<br>Calculation method<br>Calculation method<br>Calculation method<br>Calculation method |

**Full text of abbreviated H statements**

|            |                                                                          |
|------------|--------------------------------------------------------------------------|
| H220       | Extremely flammable gas.                                                 |
| H222, H229 | Extremely flammable aerosol. Pressurised container: may burst if heated. |
| H225       | Highly flammable liquid and vapour.                                      |
| H226       | Flammable liquid and vapour.                                             |
| H280       | Contains gas under pressure; may explode if heated.                      |
| H302       | Harmful if swallowed.                                                    |
| H312       | Harmful in contact with skin.                                            |
| H315       | Causes skin irritation.                                                  |
| H317       | May cause an allergic skin reaction.                                     |
| H318       | Causes serious eye damage.                                               |
| H319       | Causes serious eye irritation.                                           |
| H332       | Harmful if inhaled.                                                      |
| H335       | May cause respiratory irritation.                                        |
| H336       | May cause drowsiness or dizziness.                                       |
| H361       | Suspected of damaging fertility or the unborn child.                     |
| H400       | Very toxic to aquatic life.                                              |

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|        |                                                       |
|--------|-------------------------------------------------------|
| H410   | Very toxic to aquatic life with long lasting effects. |
| H411   | Toxic to aquatic life with long lasting effects.      |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

**Full text of classifications**

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| Acute Tox. 4       | ACUTE TOXICITY - Category 4                                   |
| Aerosol 1          | AEROSOLS - Category 1                                         |
| Aquatic Acute 1    | SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1                |
| Aquatic Chronic 1  | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1               |
| Aquatic Chronic 2  | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2               |
| Eye Dam. 1         | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1                |
| Eye Irrit. 2       | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2                |
| Flam. Gas 1A       | FLAMMABLE GASES - Category 1A                                 |
| Flam. Liq. 2       | FLAMMABLE LIQUIDS - Category 2                                |
| Flam. Liq. 3       | FLAMMABLE LIQUIDS - Category 3                                |
| Press. Gas (Comp.) | GASES UNDER PRESSURE - Compressed gas                         |
| Repr. 2            | REPRODUCTIVE TOXICITY - Category 2                            |
| Skin Irrit. 2      | SKIN CORROSION/IRRITATION - Category 2                        |
| Skin Sens. 1       | SKIN SENSITISATION - Category 1                               |
| Skin Sens. 1A      | SKIN SENSITISATION - Category 1A                              |
| STOT SE 3          | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |

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**SECTION 16: Other information**