

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 : RLB
Product name : RAPTOR PROTECTIVE COATING - BLACK BASE
Product type : Liquid.
Other means of identification : RLB/1; RLB/200; RLB/5; RLB/S1; RLB/S4; RLB/S4-G
Date of issue/ Date of revision : 19 June 2025
Version : 2
Date of previous issue : 9 March 2023

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

Identified uses : Not available.
Uses advised against : Not for sale to or use by consumers.

1.3 Details of the supplier of the safety data sheet

U-POL Limited
Denington Road
Wellingborough, Northamptonshire, NN8 2QH
+44 (0) 1933 230310
technicalsupport@u-pol.com
e-mail address of person responsible for this SDS : sds-competence@axalta.com
U-POL Netherlands
B.V. Hoorgoorddreef 15
Amsterdam, Netherlands 1101BA
+31 20 240 2216
technicalsupport@u-pol.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

Flam. Liq. 1, H224
Eye Irrit. 2, H319
Skin Sens. 1, H317
STOT SE 3, H336
Aquatic Chronic 3, H412

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

SECTION 2: Hazards identification

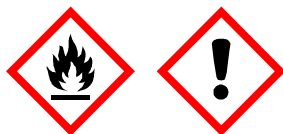
See Section 16 for the full text of the H statements declared above.

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

2.2 Label elements

Hazard pictograms

:



Signal word

: Danger

Contains

: acetone

Poly(oxy-1,2-ethanediyl), α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-ω-hydroxy-decanedioic acid, 1,10-bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidiny) decanedioate

Hazard statements

: H224 - Extremely flammable liquid and vapour.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

: P280 - Wear protective gloves. Wear eye or face protection.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 - Avoid release to the environment.
P261 - Avoid breathing vapour.

Response

: P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

: P403 + P235 - Store in a well-ventilated place. Keep cool.

Disposal

: Not applicable.

Supplemental label elements

: EUH066 - Repeated exposure may cause skin dryness or cracking.

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

SECTION 3: Composition/information on ingredients

| Product/ingredient name | Identifiers | % | Classification | Type |
|--|--|-----------|---|---------|
| acetone | REACH #: 01-2119471330-49 EC: 200-662-2 CAS: 67-64-1 | ≥10 - ≤25 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 | [1] [2] |
| 2-methoxy-1-methylethyl acetate | REACH #: 01-2119475791-29 EC: 203-603-9 CAS: 108-65-6 | ≤10 | Flam. Liq. 3, H226 STOT SE 3, H336 | [1] [2] |
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | REACH #: 01-2119555267-33 EC: 905-562-9 CAS: -- | ≤7.8 | Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 | [1] |
| n-butyl acetate | REACH #: 01-2119485493-29 EC: 204-658-1 CAS: 123-86-4 | ≤5 | Flam. Liq. 3, H226 STOT SE 3, H336 EUH066 | [1] [2] |
| Reaction mass of ethylbenzene and xylene | REACH #: 01-2119539452-40 EC: 905-588-0 | ≤2.1 | Flam. Liq. 3, H226 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412 | [1] |
| Poly(oxy-1,2-ethanediyl), α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-ω-hydroxy- | REACH #: 01-0000015075-76 EC: 400-830-7 CAS: 104810-48-2 | ≤3 | Skin Sens. 1, H317 Aquatic Chronic 2, H411 | [1] |
| decanedioic acid, 1,10-bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidiny) decanedioate | REACH #: 01-2119491304-40 EC: 915-687-0 CAS: 1065336-91-5 | <3 | Skin Sens. 1A, H317 Repr. 2, H361 (oral) Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) See Section 16 for the full text of the H statements declared above. | [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 | : 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. Get medical attention. |
| Inhalation | : 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. Get medical attention. If necessary, call a poison center or physician. 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 | : Wash skin thoroughly with soap and water or use recognised skin cleanser. 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. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | : 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. Get medical attention. If necessary, call a poison center or 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 or irritation watering redness |
| Inhalation | : Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness |
| Skin contact | : Adverse symptoms may include the following: irritation redness dryness cracking |
| Ingestion | : No specific data. |

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. |
|---------------------------|---|

SECTION 4: First aid measures

Specific treatments : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Recommended: alcohol-resistant foam, CO₂, 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

SECTION 7: Handling and storage

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.

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 between the following temperatures: -15 to 25°C (5 to 77°F). 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 |
|----------|---------------------------------|-------------------------|
| P5a | 10 tonnes | 50 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

| Product/ingredient name | Exposure limit values |
|---------------------------------|---|
| acetone | EH40/2005 WELs (United Kingdom (UK), 1/2020) STEL 15 minutes: 3620 mg/m ³ . STEL 15 minutes: 1500 ppm. TWA 8 hours: 500 ppm. TWA 8 hours: 1210 mg/m ³ . |
| 2-methoxy-1-methylethyl acetate | EH40/2005 WELs (United Kingdom (UK), 1/2020) Absorbed through skin. STEL 15 minutes: 548 mg/m ³ . TWA 8 hours: 50 ppm. TWA 8 hours: 274 mg/m ³ . STEL 15 minutes: 100 ppm. |
| n-butyl acetate | EH40/2005 WELs (United Kingdom (UK), 1/2020) STEL 15 minutes: 966 mg/m ³ . STEL 15 minutes: 200 ppm. TWA 8 hours: 724 mg/m ³ . TWA 8 hours: 150 ppm. |

Biological exposure indices

No exposure indices known.

SECTION 8: Exposure controls/personal protection

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 |
|---------------------------------|--|
| acetone | DNEL - Workers - Long term - Inhalation 500 ppm <u>Effects</u> : Systemic |
| | DNEL - Workers - Long term - Dermal 186 mg/kg bw/day <u>Effects</u> : Systemic |
| | DNEL - Workers - Long term - Inhalation 1210 mg/m³ <u>Effects</u> : Systemic |
| | DNEL - Workers - Short term - Inhalation 2420 mg/m³ <u>Effects</u> : Local |
| 2-methoxy-1-methylethyl acetate | DNEL - Workers - Long term - Inhalation 50.132 ppm <u>Effects</u> : Systemic |
| | DNEL - Workers - Long term - Dermal 796 mg/kg bw/day <u>Effects</u> : Systemic |
| | DNEL - General population - Long term - Inhalation 33 mg/m³ <u>Effects</u> : Local |
| | DNEL - General population - Long term - Inhalation 33 mg/m³ <u>Effects</u> : Systemic |
| | DNEL - General population - Long term - Oral 36 mg/kg bw/day <u>Effects</u> : Systemic |
| | DNEL - Workers - Long term - Inhalation 275 mg/m³ <u>Effects</u> : Systemic |
| | DNEL - General population - Long term - Dermal 320 mg/kg bw/day <u>Effects</u> : Systemic |
| | DNEL - Workers - Short term - Inhalation 550 mg/m³ <u>Effects</u> : Local |
| | DNEL - Workers - Long term - Dermal 796 mg/kg bw/day <u>Effects</u> : Systemic |
| | |

SECTION 8: Exposure controls/personal protection

n-butyl acetate

DNEL - Workers - Short term - Dermal

11 mg/kg bw/day

Effects: Systemic**DNEL - General population - Long term - Oral**

2 mg/kg bw/day

Effects: Systemic**DNEL - General population - Short term - Oral**

2 mg/kg bw/day

Effects: Systemic**DNEL - General population - Long term - Dermal**

3.4 mg/kg bw/day

Effects: Systemic**DNEL - General population - Short term - Dermal**

6 mg/kg bw/day

Effects: Systemic**DNEL - Workers - Short term - Dermal**

11 mg/kg bw/day

Effects: Systemic**DNEL - General population - Long term - Inhalation**12 mg/m³Effects: Systemic**DNEL - General population - Long term - Inhalation**35.7 mg/m³Effects: Local**DNEL - General population - Short term - Inhalation**300 mg/m³Effects: Local**DNEL - General population - Short term - Inhalation**300 mg/m³Effects: Systemic**DNEL - Workers - Long term - Inhalation**300 mg/m³Effects: Local**DNEL - Workers - Short term - Inhalation**600 mg/m³Effects: Local**DNEL - Workers - Short term - Inhalation**600 mg/m³Effects: Systemic**DNEL - Workers - Long term - Inhalation**300 mg/m³Effects: Systemic

Reaction mass of ethylbenzene and xylene

DNEL - Workers - Long term - Dermal

212 mg/kg bw/day

Effects: Systemic**DNEL - Workers - Long term - Inhalation**221 mg/m³Effects: Systemic

RAPTOR PROTECTIVE COATING - BLACK BASE

SECTION 8: Exposure controls/personal protection

Poly(oxy-1,2-ethanediyl), α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-ω-hydroxy-

DNEL - General population - Long term - Oral
0.025 mg/kg bw/day
Effects: Systemic

DNEL - General population - Long term - Dermal
0.025 mg/kg bw/day
Effects: Systemic

DNEL - General population - Long term - Inhalation
0.085 mg/m³
Effects: Systemic

DNEL - Workers - Long term - Dermal
0.25 mg/kg bw/day
Effects: Systemic

DNEL - Workers - Long term - Inhalation
0.35 mg/m³
Effects: Systemic

decanedioic acid, 1,10-bis
(1,2,2,6,6-pentamethyl-4-piperidiny) ester,
mixt. with 1-methyl 10-
(1,2,2,6,6-pentamethyl-4-piperidiny)
decanedioate

DNEL - General population - Long term - Oral
0.18 mg/kg bw/day
Effects: Systemic

DNEL - General population - Long term - Inhalation
0.31 mg/m³
Effects: Systemic

DNEL - General population - Long term - Dermal
0.9 mg/kg bw/day
Effects: Systemic

DNEL - Workers - Long term - Inhalation
1.27 mg/m³
Effects: Systemic

DNEL - Workers - Long term - Dermal
1.8 mg/kg bw/day
Effects: Systemic

PNECs

Product/ingredient name
acetone

Result
Fresh water
10.6 mg/l

Marine water sediment
1.06 mg/l

Sediment
30.4 mg/kg

Marine water sediment
3.04 mg/kg

Soil
29.5 mg/kg

Sewage Treatment Plant
100 mg/l

2-methoxy-1-methylethyl acetate

Soil

SECTION 8: Exposure controls/personal protection

| | |
|--|-------------------------------|
| | 0.29 mg/kg |
| | Sewage Treatment Plant |
| | 100 mg/l |
| | Marine water |
| | 0.064 mg/l |
| | Fresh water |
| | 0.635 mg/l |
| | Fresh water sediment |
| | 3.29 mg/kg |
| | Marine water sediment |
| | 0.329 mg/kg |
| n-butyl acetate | Soil |
| | 0.09 mg/kg |
| | Fresh water |
| | 0.18 mg/l |
| | Sewage Treatment Plant |
| | 35.6 mg/l |
| | Marine water |
| | 0.018 mg/l |
| | Fresh water sediment |
| | 0.981 mg/kg |
| | Marine water sediment |
| | 0.098 mg/kg |
| Reaction mass of ethylbenzene and xylene | Fresh water |
| | 0.327 mg/l |
| | Marine water |
| | 0.327 mg/l |
| | Sewage Treatment Plant |
| | 6.58 mg/l |
| | Fresh water sediment |
| | 12.46 mg/kg dwt |
| | Marine water sediment |
| | 12.46 mg/kg dwt |
| | Soil |
| | 2.31 mg/kg |

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

SECTION 8: Exposure controls/personal protection

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.

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.

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 : Black.

Odour : Not available.

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 : Not available.

SECTION 9: Physical and chemical properties

Not available.

| | |
|--|--|
| Flash point | : Closed cup: -1°C (30.2°F) |
| Auto-ignition temperature | : 333°C (631.4°F) |
| Decomposition temperature | : Not applicable. |
| pH | : Not applicable. |
| Viscosity | : Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C): Not available. |
| Solubility in water | : Not available. |
| Miscible with water | : No. |
| Partition coefficient: n-octanol/ water | : Not applicable. |
| Vapour pressure | : 5 kPa (37.3 mm Hg) |
| Relative density | : Not available. |
| Density | : 1.12 g/cm ³ |
| Vapour density | : Not available. |
| Explosive properties | : Not available. |
| Oxidising properties | : Not available. |
| Weight volatiles | : 40.8 % (w/w) |
| VOC content | : 40.8 % (w/w) (2010/75/EU) |

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

Further information Not available.

9.2.2 Other safety characteristics**Miscible with water** : No.

Further information Not available.

*room temperature (=20°C)***SECTION 10: Stability and reactivity**

| | |
|--|--|
| 10.1 Reactivity | : No specific test data related to reactivity available for this product or its ingredients. |
| 10.2 Chemical stability | : Stable under recommended storage and handling conditions (see Section 7). |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur. |
| 10.4 Conditions to avoid | : When exposed to high temperatures may produce hazardous decomposition products. |
| 10.5 Incompatible materials | : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids. |
| 10.6 Hazardous decomposition products | : 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 | Result |
| acetone | Rat - Oral - LD50 5800 mg/kg <u>Toxic effects:</u> Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor |
| | Rabbit - Dermal - LD50 2001 mg/kg |
| | Rat - Inhalation - LC50 Vapour 21 mg/l [4 hours] |
| 2-methoxy-1-methylethyl acetate | Rat - Oral - LD50 8532 mg/kg |
| | Rabbit - Dermal - LD50 >5 g/kg |
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | Rat - Male, Female - Oral - LD50 3523 mg/kg EU B.1 |
| | Rabbit - Male - Dermal - LD50 12126 mg/kg EU B.1 |
| | Rat - Male - Inhalation - LC50 Vapour 6350 ppm [4 hours] EU B.2 |
| n-butyl acetate | Rat - Oral - LD50 10768 mg/kg <u>Toxic effects:</u> Behavioral - Somnolence (general depressed activity) Lung, Thorax, or Respiration - Other changes Liver - Other changes |
| | Rabbit - Dermal - LD50 >17600 mg/kg |
| | Rat - Inhalation - LC50 Vapour 21.1 mg/l [4 hours] |
| Reaction mass of ethylbenzene and xylene | Rat - Oral - LD50 3523 to 4000 mg/kg |
| | Rabbit - Dermal - LD50 121236 mg/kg |
| | Rat - Inhalation - LC50 Vapour 6350 to 6700 ppm [4 hours] |
| decanedioic acid, 1,10-bis (1,2,2,6,6-pentamethyl-4-piperidiny) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidiny) decanedioate | Rat - Male, Female - Oral - LD50 3230 mg/kg OECD [Acute Oral toxicity - Acute Toxic Class Method] |
| | Rat - Male, Female - Dermal - LD50 >3170 mg/kg OECD [Acute Dermal Toxicity] |

SECTION 11: Toxicological information**Conclusion/Summary [Product]** : Not available.**Acute toxicity estimates**

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|--|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| mixture | N/A | 13333.3 | N/A | 133.3 | N/A |
| acetone | 5800 | 2001 | N/A | 21 | N/A |
| 2-methoxy-1-methylethyl acetate | 8532 | N/A | N/A | N/A | N/A |
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | 3523 | 1100 | N/A | 11 | N/A |
| n-butyl acetate | 10768 | N/A | N/A | 21.1 | N/A |
| Reaction mass of ethylbenzene and xylene | N/A | 1100 | N/A | 11 | N/A |
| decanedioic acid, 1,10-bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidiny) decanedioate | 3230 | N/A | N/A | N/A | N/A |

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

acetone

Result**Rabbit - Skin - Mild irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 500 mg**Rabbit - Skin - Mild irritant**Amount/concentration applied: 395 mg

REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE

Rabbit - Skin - Irritant

EU B.4

Duration of treatment/exposure: 4 hoursObservation period: 7 days**Conclusion/Summary [Product]** : Not available.**Serious eye damage/eye irritation****Product/ingredient name**

acetone

Result**Human - Eyes - Mild irritant**Amount/concentration applied: 186300 ppm**Rabbit - Eyes - Mild irritant**Amount/concentration applied: 10 uL**Rabbit - Eyes - Moderate irritant**Duration of treatment/exposure: 24 hoursAmount/concentration applied: 20 mg**Rabbit - Eyes - Severe irritant**Amount/concentration applied: 20 mg**Conclusion/Summary [Product]** : Not available.**Respiratory corrosion/irritation**

Not available.

Conclusion/Summary [Product] : Not available.

SECTION 11: Toxicological information

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 | Result |
|---|--|
| acetone | STOT SE 3, H336 (Narcotic effects) |
| 2-methoxy-1-methylethyl acetate | STOT SE 3, H336 (Narcotic effects) |
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | STOT SE 3, H335 (Respiratory tract irritation) |
| n-butyl acetate | STOT SE 3, H336 (Narcotic effects) |
| Reaction mass of ethylbenzene and xylene | STOT SE 3, H335 (Respiratory tract irritation) |

Specific target organ toxicity (repeated exposure)

| Product/ingredient name | Result |
|---|-----------------|
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | STOT RE 2, H373 |
| Reaction mass of ethylbenzene and xylene | STOT RE 2, H373 |

Aspiration hazard

| Product/ingredient name | Result |
|---|--------------------------------|
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | ASPIRATION HAZARD - Category 1 |
| Reaction mass of ethylbenzene and xylene | ASPIRATION HAZARD - Category 1 |

Information on likely routes of exposure

Not available.

Potential acute health effects

| | |
|-------------|---|
| Eye contact | : Causes serious eye irritation. |
| Inhalation | : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. |

SECTION 11: Toxicological information

- Skin contact** : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
- Ingestion** : Can cause central nervous system (CNS) depression.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness
- Inhalation** : Adverse symptoms may include the following:
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
- Skin contact** : Adverse symptoms may include the following:
irritation
redness
dryness
cracking
- Ingestion** : No specific data.

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

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

Not available.

Conclusion/Summary [Product] : Not available.

- General** : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

Other information

Not available.

SECTION 12: Ecological information**12.1 Toxicity**

Product/ingredient name
acetone

Result**Acute - LC50 - Fresh water**

Daphnia - Water flea - *Daphnia magna*
10 mg/l [48 hours]
Effect: Mortality

Chronic - NOEC - Marine water

Algae - Green algae - *Ulva pertusa*
4.95 mg/l [96 hours]

SECTION 12: Ecological information

| | |
|---|---|
| | <p><u>Effect</u>: Reproduction</p> <p>Acute - EC50 - Marine water Algae - Green algae - <i>Ulva pertusa</i> 20.565 mg/l [96 hours] <u>Effect</u>: Reproduction</p> <p>Chronic - NOEC - Fresh water Crustaceans - Daphnia - <i>Daphniidae</i> 0.016 ml/l [21 days] <u>Effect</u>: Population</p> <p>Acute - LC50 - Fresh water Fish - Guppy - <i>Poecilia reticulata</i> <u>Age</u>: 4 to 12 months; <u>Size</u>: 2 to 10 cm; <u>Weight</u>: 0.5 to 14 g 5600 ppm [96 hours] <u>Effect</u>: Mortality</p> |
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | <p>Acute - LC50 Fish 2.6 mg/l [96 hours]</p> <p>Acute - EC50 Daphnia 6.14 mg/l [48 hours]</p> |
| n-butyl acetate | <p>Acute - LC50 - Marine water Fish - Inland silverside - <i>Menidia beryllina</i> 185 ppm [96 hours] <u>Effect</u>: Mortality</p> |
| Reaction mass of ethylbenzene and xylene | <p>Acute - LC50 OECD 203 Fish - Trout - <i>Oncorhynchus mykiss</i> 2.6 mg/l [96 hours]</p> <p>Acute - LC50 OECD 202 Daphnia - Daphnia - <i>Daphnia magna</i> 1 mg/l [24 hours]</p> <p>Acute - EC50 OECD 201 Algae - Algae - <i>Selenastrum capricornutum</i> 2.2 mg/l [73 hours]</p> <p>Chronic - NOEC OECD 301F Micro-organism - Activated sludge - <i>Activated sludge</i> 16 mg/l [28 days]</p> |
| decanedioic acid, 1,10-bis (1,2,2,6,6-pentamethyl-4-piperidiny) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl- 4-piperidiny) decanedioate | <p>Acute - LC50 - Fresh water OECD [Fish, Acute Toxicity Test] Fish 0.9 mg/l [96 hours]</p> <p>Chronic - NOEC - Fresh water OECD [Daphnia Magna Reproduction Test] Daphnia 1 mg/l [21 days]</p> <p>Acute - EC50 - Fresh water OECD [Alga, Growth Inhibition Test]</p> |

SECTION 12: Ecological information

Algae
1.68 mg/l [72 hours]

Conclusion/Summary [Product] : Not available.

12.2 Persistence and degradability

| Product/ingredient name | Result |
|---|--|
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | Aerobic OECD 301F 94% [28 days] |

Conclusion/Summary [Product] : Not available.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | - | - | Readily |

12.3 Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|---|--------------------|------|-----------|
| acetone | -0.23 | - | Low |
| 2-methoxy-1-methylethyl acetate | 1.2 | - | Low |
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | - | 25.9 | Low |
| n-butyl acetate | 2.3 | - | Low |
| Reaction mass of ethylbenzene and xylene | 3.16 | - | Low |

12.4 Mobility in soil

| | |
|----------------------------------|------------------|
| Soil/water partition coefficient | : Not available. |
| Mobility | : Not available. |

12.5 Results of PBT and vPvB assessment

| Product/ingredient name | PBT | P | B | T | vPvB | vP | vB |
|---|-----|-----|-----|-----|------|-----|-----|
| acetone | No | N/A | N/A | No | N/A | N/A | N/A |
| 2-methoxy-1-methylethyl acetate | No | N/A | N/A | No | N/A | N/A | N/A |
| REACTION MASS OF ETHYLBENZENE, M-XYLENE AND PXYLENE | No | N/A | No | Yes | No | N/A | No |
| n-butyl acetate | No | N/A | N/A | No | N/A | N/A | N/A |
| Reaction mass of ethylbenzene and xylene | N/A | N/A | N/A | Yes | N/A | N/A | N/A |
| Poly(oxy-1,2-ethanediyl), α-[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]-ω-hydroxy-decanedioic acid, 1,10-bis | No | N/A | N/A | No | N/A | N/A | N/A |
| | N/A | N/A | N/A | Yes | N/A | N/A | N/A |

SECTION 12: Ecological information

| | | |
|--|--|--|
| (1,2,2,6,6-pentamethyl-4-piperidiny) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidiny) decanedioate | | |
|--|--|--|

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

SECTION 14: Transport information

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

Additional information

SECTION 14: Transport information

| | |
|----------------|---|
| ADR/RID | : Hazard identification number 33 Limited quantity 5 L Special provisions 163, 640C, 650, 367 Tunnel code (D/E) |
| ADN | : The product is only regulated as an environmentally hazardous substance when transported in tank vessels. Special provisions 163, 367, 640C, 650 |
| IMDG | : Emergency schedules F-E, _S-E_ Special provisions 163, 367 |
| IATA | : Quantity limitation Passenger and Cargo Aircraft: 5 L. Packaging instructions: 353. Cargo Aircraft Only: 60 L. Packaging instructions: 364. Limited Quantities - Passenger Aircraft: 1 L. Packaging instructions: Y341. Special provisions A3, A72, A192 |

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 Not applicable.

Seveso Directive

This product is controlled under the Seveso Directive.

Danger criteria**Category**

P5a

National regulations

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

International regulations**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

SECTION 15: Regulatory information

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 |
|--|--|
| Flam. Liq. 1, H224 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H336 Aquatic Chronic 3, H412 | On basis of test data Calculation method Calculation method Calculation method Expert judgment |

Full text of abbreviated H statements

| | |
|--------|--|
| H224 | Extremely flammable liquid and vapour. |
| 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. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H361 | Suspected of damaging fertility or the unborn child. |
| 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. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

Full text of classifications

SECTION 16: Other information

| | |
|-------------------|---|
| Acute Tox. 4 | ACUTE TOXICITY - Category 4 |
| 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 |
| Aquatic Chronic 3 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3 |
| Asp. Tox. 1 | ASPIRATION HAZARD - Category 1 |
| Eye Irrit. 2 | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 |
| Flam. Liq. 1 | FLAMMABLE LIQUIDS - Category 1 |
| Flam. Liq. 2 | FLAMMABLE LIQUIDS - Category 2 |
| Flam. Liq. 3 | FLAMMABLE LIQUIDS - Category 3 |
| 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 RE 2 | SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 |
| STOT SE 3 | SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3 |

Date of issue/ Date of revision : 6/19/2025

Version : 2

Date of previous issue : 3/9/2023

Notice to reader

This product is intended for industrial use only.

Safety Data Sheet (SDS) content is believed to be accurate as of its issue date, but is subject to change as new information is received by Axalta Coatings Systems, LLC or any of its subsidiaries or affiliates (Axalta). This SDS may incorporate information that has been provided to Axalta by its suppliers. Users should ensure that they are referring to the most current version of the SDS. Users are responsible for following the precautions identified in this SDS. It is the users' responsibility to comply with all laws and regulations applicable to the safe handling, use, and disposal of the product.

Users of Axalta products should read all relevant product information prior to use, and make their own determination as to the suitability of the products for their intended use. Except as otherwise required by applicable law, AXALTA MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The information on this SDS relates only to the specific product identified in Section 1, Identification, and does not relate to its possible use in combination with any other material or in any specific process. If this product is to be used in combination with other products, Axalta encourages you to read and understand the SDS for all products prior to use.

© 2022 Axalta Coating Systems, LLC and all affiliates. All rights reserved. Copies may be made only for those using Axalta Coating Systems products.