

## 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** : BLEND/AL

**Product name** : BLEND #9 CLEAR FADE OUT SOLVENT AEROSOL

**Product type** : Aerosol. Other means of : Not available.

identification

Date of issue/ Date of

revision

Version : 1.01

Date of previous issue 11 April 2023

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

: 19 June 2025

**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 : sds-competence@axalta.com

responsible for this SDS

**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

Aerosol 1, H222, H229 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 **STOT SE 3, H335** 

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

Date of issue/Date of revision : 19 June Date of previous issue : 11 April 2023 Version : 1.01 1/16

## **SECTION 2: Hazards identification**

Ingredients of unknown ecotoxicity

: Contains 50% of components with unknown hazards to the aquatic environment

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 : cyclohexanone

**Hazard statements** : H222, H229 - Extremely flammable aerosol. Pressurised container: may burst if

heated.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation.

#### **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

Date of issue/Date of revision: 19 JuneDate of previous issue: 11 April 2023Version: 1.012/16

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

Product/ingredient name	Identifiers	%	Classification	Туре
cyclohexanone	REACH #: 01-2119453616-35 EC: 203-631-1 CAS: 108-94-1 Index: 606-010-00-7	≥50 - <55	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	[1] [2]
propane	REACH #: 01-2119486944-21 EC: 200-827-9 CAS: 74-98-6	≥25 - ≤50	Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Flam. Liq. 1, H224	[1]
butane	REACH #: 01-2119474691-32 EC: 203-448-7 CAS: 106-97-8	≥10 - ≤25	Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Flam. Liq. 1, H224	[1] [2]
Isobutane	REACH #: 01-2119485395-27 EC: 200-857-2 CAS: 75-28-5	≤10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Flam. Liq. 1, H224	[1]
			See Section 16 for the full text of the H statements declared above.	

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

#### **Type**

- [1] Substance classified with a 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

Eve 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.

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.

Skin contact

: Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with 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. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Date of issue/Date of revision : 19 June Date of previous issue : 11 April 2023 Version : 1.01 3/16

### **SECTION 4: First aid measures**

#### 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

**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 : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**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.

Date of issue/Date of revision : 19 June Date of previous issue : 11 April 2023 Version : 1.01 4/16

## 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.

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

	Notification and MAPP threshold	Safety report threshold
P3a	150 tonnes	500 tonnes

Date of issue/Date of revision: 19 JuneDate of previous issue: 11 April 2023Version: 1.015/16

## **SECTION 7: Handling and storage**

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

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

#### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
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/m³.  TWA 8 hours: 41 mg/m³.
butane	EH40/2005 WELs (United Kingdom (UK), 1/2020) Carc. STEL 15 minutes: 1810 mg/m³. STEL 15 minutes: 750 ppm. TWA 8 hours: 1450 mg/m³. TWA 8 hours: 600 ppm.

#### **Biological exposure indices**

Product/ingredient name	Exposure indices
	EH40/2005 BMGVs (United Kingdom (UK), 1/2020)  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**

DIALES/DIVILES	
Product/ingredient name	Result
cyclohexanone	<b>DNEL - Workers - Long term - Inhalation</b> 9.8 ppm <u>Effects</u> : Systemic
	<b>DNEL - General population - Short term - Dermal</b> 1 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Dermal 1 mg/kg bw/day Effects: Systemic
	<b>DNEL - General population - Short term - Oral</b> 1.5 mg/kg bw/day <u>Effects</u> : Systemic
	DNEL - General population - Long term - Oral 1.5 mg/kg bw/day

Date of issue/Date of revision: 19 JuneDate of previous issue: 11 April 2023Version: 1.016/16

Effects: Systemic

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

DNEL - General population - Long term - Inhalation

2.55 mg/m3 Effects: Systemic

**DNEL - Workers - Short term - Dermal** 

4 mg/kg bw/day Effects: Systemic

**DNEL - Workers - Long term - Dermal** 

4 mg/kg bw/day Effects: Systemic

DNEL - General population - Short term - Inhalation

5 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation** 

10 mg/m<sup>3</sup> Effects: Local

**DNEL - Workers - Long term - Inhalation** 

10 mg/m<sup>3</sup>

Effects: Systemic

DNEL - Workers - Short term - Inhalation

20 mg/m<sup>3</sup> Effects: Local

**DNEL - Workers - Short term - Inhalation** 

20 mg/m<sup>3</sup>

Effects: Systemic

**PNECs** 

Product/ingredient name

cyclohexanone

Result

Fresh water 0.0329 mg/l

Marine water 0.0329 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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Skin protection **Hand protection**  : Use safety eyewear designed to protect against splash of liquids.

Date of issue/Date of revision : 19 June Date of previous issue : 11 April 2023 Version : 1.01 7/16 2025

## **SECTION 8: Exposure controls/personal 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 : Clear.

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 : Lower: 1.1%

explosive limits Upper: 10.9%

Not available.

Flash point : Closed cup: -60°C (-76°F)

Auto-ignition temperature : 287°C (548.6°F)

Decomposition temperature : Not applicable.

pH : Not applicable.

Date of issue/Date of revision: 19 JuneDate of previous issue: 11 April 2023Version: 1.018/162025

## SECTION 9: Physical and chemical properties

**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/ : Not applicable.

water

Vapour pressure : 206.7 kPa (1550.3 mm Hg)

Relative density : Not available. : 0.654 g/cm<sup>3</sup> Density Vapour density : Not available. : Not available. **Explosive properties Oxidising properties** : Not available. Weight volatiles : 100 % (w/w)

(2010/75/EU) **VOC** content : 100 % (w/w)

#### 9.2 Other information

9.2.1 Information with regard to physical hazard classes

**Heat of combustion** : 40.8 kJ/g

**Aerosol product** 

Type of aerosol : Spray

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.

Date of issue/Date of revision : 11 April 2023 Version : 1.01 : 19 June Date of previous issue 9/16

## **SECTION 11: Toxicological information**

### 11.1 Information on toxicological effects

**Acute toxicity** 

Product/ingredient name Result

cyclohexanone Rat - Oral - LD50

1800 mg/kg

Rat - Inhalation - LC50 Gas.

8000 ppm [4 hours]

butane Rat - Inhalation - LC50 Vapour

658000 mg/m³ [4 hours]

isobutane Rat - Inhalation - LC50 Vapour

658000 mg/m³ [4 hours]

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	3600.0	2200.0	16000	N/A	N/A
cyclohexanone	1800	1100	8000	N/A	N/A
butane	N/A	N/A	N/A	658	N/A
isobutane	N/A	N/A	N/A	658	N/A

#### **Skin corrosion/irritation**

Product/ingredient name Result

cyclohexanone Human - Skin - Mild irritant

<u>Duration of treatment/exposure</u>: 48 hours <u>Amount/concentration applied</u>: 50 %

Rabbit - Skin - Mild irritant

Amount/concentration applied: 500 mg

Rabbit - Skin - Irritant

OECD [Acute Dermal Irritation/Corrosion]

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name Result

cyclohexanone Rabbit - Eyes - Severe irritant

<u>Duration of treatment/exposure</u>: 24 hours <u>Amount/concentration applied</u>: 250 ug

Rabbit - Eyes - Severe irritant

Amount/concentration applied: 20 mg

Conclusion/Summary [Product] : Not available.

### Respiratory corrosion/irritation

Not available.

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

Date of issue/Date of revision : 19 June Date of previous issue : 11 April 2023 Version : 1.01 10/16

## **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

cyclohexanone STOT SE 3, H335 (Respiratory tract irritation)

Specific target organ toxicity (repeated exposure)

Not available.

**Aspiration hazard** 

Not available.

Information on likely routes of exposure

Not available.

Potential acute health effects

**Eye contact** : Causes serious eye damage.

**Inhalation**: Harmful if inhaled. May cause respiratory irritation.

**Skin contact**: Causes skin irritation.

**Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact**: Adverse symptoms may include the following:

pain watering redness

Date of issue/Date of revision: 19 JuneDate of previous issue: 11 April 2023Version: 1.0111/16

## **SECTION 11: Toxicological information**

**Inhalation** : Adverse symptoms may include the following:

respiratory tract irritation

coughing

**Skin contact**: Adverse symptoms may include the following:

pain or irritation

redness

blistering may occur

**Ingestion**: Adverse symptoms may include the following:

stomach pains

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

Short term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

#### Potential chronic health effects

Not available.

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

General : No known significant effects or critical hazards.
 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

cyclohexanone

### Result

Acute - LC50 - Fresh water

Fish - Fathead minnow - *Pimephales promelas* Age: 30 days; <u>Size</u>: 20.2 mm; <u>Weight</u>: 0.127 g

527 mg/l [96 hours] Effect: Mortality

#### Chronic - EC10

Algae - Green algae - Chlamydomonas reinhardtii -

Exponential growth phase

<u>Age</u>: 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

Conclusion/Summary [Product] : Not available.

Date of issue/Date of revision: 19 JuneDate of previous issue: 11 April 2023Version: 1.0112/16

## **SECTION 12: Ecological information**

#### 12.2 Persistence and degradability

Not available.

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

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
cyclohexanone	0.86	-	Low
propane	1.09	-	Low
butane	1.09	-	Low
isobutane	1.09	-	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	Р	В	Т	vPvB	vP	vB
cyclohexanone	No	N/A	N/A	No	N/A	N/A	N/A
propane	No	N/A	N/A	No	N/A	N/A	N/A
butane	No	N/A	N/A	No	N/A	N/A	N/A
isobutane	No	N/A	N/A	No	N/A	N/A	N/A

**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.

Date of issue/Date of revision	: 19 June	Date of previous issue	: 11 April 2023	<b>Version</b> : 1.01	13/16
	2025				

## **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	2	2.1	2.1
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	Yes.	No.	No.

## **Additional information**

ADR/RID : Tunnel code (D)

**ADN** : The product is only regulated as an environmentally hazardous substance when

transported in tank vessels.

user

14.6 Special precautions for : 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

P3a

## **National regulations**

Date of issue/Date of revision Date of previous issue : 11 April 2023 Version : 1.01 : 19 June 14/16

## **SECTION 15: Regulatory information**

Product/ingredient name	List name	Name on list	Classification	Notes
butane	EH40/2005 WELs	-	Carc	-

#### **International regulations**

### **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	On basis of test data
Acute Tox. 4, H332	Calculation method
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
STOT SE 3, H335	Calculation method

### Full text of abbreviated H statements

H220	Extremely flammable gas.
H222, H229	Extremely flammable aerosol. Pressurised container: may burst if heated.
H224	Extremely 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.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Date of issue/Date of revision : 19 June Date of previous issue : 11 April 2023 Version : 1.01 15/16

### **SECTION 16: Other information**

#### Full text of classifications

Acute Tox. 4 ACUTE TOXICITY - Category 4
Aerosol 1 AEROSOLS - Category 1

Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1

Flam. Gas 1A FLAMMABLE GASES - Category 1A Flam. Liq. 1 FLAMMABLE LIQUIDS - Category 1 Flam. Liq. 3 FLAMMABLE LIQUIDS - Category 3

Press. Gas (Comp.) GASES UNDER PRESSURE - Compressed gas Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2

STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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

revision

Version : 1.01

Date of previous issue : 4/11/2023

#### 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.

Date of issue/Date of revision : 19 June Date of previous issue :11 April 2023 Version :1.01 16/16