

**AkzoNobel** 

# SAFETY DATA SHEET

#### RADIATOR ENAMEL GLOSS AEROSOL

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

1.1. Product identifier

RADIATOR ENAMEL GLOSS AFROSOL **Product name** 

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

**Product use** Aerosol.

1.3. Details of the supplier of the safety data sheet

ICI Paints AkzoNobel, Wexham Road,

Slough, Berkshire, SL2 5DS, U.K.

Tel.: +44 (0) 333 222 71 71 www.hammerite.co.uk

e-mail address of person responsible for this SDS

: hammerite.advice@akzonobel.com

1.4 Emergency telephone number

Telephone number : Emergency Telephone : Slough +44 (0) 1753 550000

**Version** : 10.02 8/31/2020 Date of previous issue

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

**Product definition** : Mixture

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

Aerosol 1, H222, H229 Eye Irrit. 2, H319 **STOT SE 3, H336** 

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

Ingredients of unknown : 0%

toxicity

Ingredients of unknown : 0%

ecotoxicity

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

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## **SECTION 2: Hazards identification**

Hazard pictograms





Signal word : Danger

**Hazard statements** : H222 - Extremely flammable aerosol.

H229 - Pressurised container: may burst if heated.

H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizziness.

**Precautionary statements** 

**General**: P102 - Keep out of reach of children.

P101 - If medical advice is needed, have product container or label at hand.

Prevention : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

P262 - Do not get in eyes, on skin, or on clothing. P251 - Do not pierce or burn, even after use.

Response : P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for

breathing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

Storage : P410 - Protect from sunlight.

P412 - Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional,

national or international regulations.

Hazardous ingredients

Supplemental label

elements

: acetone

: Contains phthalic anhydride. May produce an allergic reaction. Repeated exposure

may cause skin dryness or cracking.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not

breathe spray or mist.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

## **Special packaging requirements**

Containers to be fitted with child-resistant

fastenings

: Not applicable.

Tactile warning of danger : Not applicable.

#### 2.3 Other hazards

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

Other hazards which do not result in classification

: None known.

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

3.2 Mixtures : Mixture

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

Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
acetone	REACH #: 01-2119471330-49 EC: 200-662-2 CAS: 67-64-1 Index: 606-001-00-8	≥25 - ≤50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	[1] [2]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	REACH #: 01-2119463258-33	≥10 - ≤20	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	[1]
Naphtha (petroleum), hydrotreated heavy	EC: 265-150-3 CAS: 64742-48-9 Index: 649-327-00-6	≤1	Asp. Tox. 1, H304 EUH066	[1]
phthalic anhydride	EC: 201-607-5 CAS: 85-44-9 Index: 607-009-00-4	≤0,3	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335	[1] [2]
Naphtha (petroleum), hydrotreated heavy	EC: 265-150-3 CAS: 64742-48-9	≤0,3	Flam. Liq. 3, H226 STOT SE 3, H336 Asp. Tox. 1, H304 EUH066	[1]
(2-methoxymethylethoxy) propanol	REACH #: 01-2119450011-60 EC: 252-104-2 CAS: 34590-94-8	≤0,1	Not classified.	[2]
2-ethylhexanoic acid, manganese salt	EC: 240-085-3 CAS: 15956-58-8	≤0,1	Eye Irrit. 2, H319 Repr. 2, H361fd (Fertility and Unborn child) STOT RE 2, H373 Aquatic Chronic 2, H411	[1] [2]
2-butoxyethanol	EC: 203-905-0 CAS: 111-76-2 Index: 603-014-00-0	≤0,1	Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 See Section 16 for the full text of the H statements declared above.	[1] [2]

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.

## <u>Type</u>

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

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

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## SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General

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

position and seek medical advice.

: Remove contact lenses, irrigate copiously with clean, fresh water, holding the Eye contact

eyelids apart for at least 10 minutes and seek immediate medical advice.

Inhalation Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is

irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by

trained personnel.

Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and

water or use recognised skin cleanser. Do NOT use solvents or thinners.

Ingestion : If swallowed, seek medical advice immediately and show the container or label.

Keep person warm and at rest. Do NOT induce vomiting.

**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.

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

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

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

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

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

Ingestion may cause nausea, diarrhea and vomiting.

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

Contains phthalic anhydride. May produce an allergic reaction.

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

: Treat symptomatically. Contact poison treatment specialist immediately if large Notes to physician

quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

See toxicological information (Section 11)

# SECTION 5: Firefighting measures

## 5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing

: Do not use water jet.

media

## 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.

: Decomposition products may include the following materials: carbon monoxide,

**Hazardous combustion** 

carbon dioxide, smoke, oxides of nitrogen.

products

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## **SECTION 5: Firefighting measures**

#### 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.

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.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

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## SECTION 7: Handling and storage

#### 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.

## 7.3 Specific end use(s)

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

# solutions

## SECTION 8: Exposure controls/personal protection

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

#### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
acetone	EH40/2005 WELs (United Kingdom (UK), 12/2011).
	STEL: 3620 mg/m³ 15 minutes.
	STEL: 1500 ppm 15 minutes.
	TWA: 500 ppm 8 hours.
	TWA: 1210 mg/m³ 8 hours.
phthalic anhydride	EH40/2005 WELs (United Kingdom (UK), 12/2011). Inhalation
	sensitiser.
	STEL: 12 mg/m³ 15 minutes.
	TWA: 4 mg/m³ 8 hours.
(2-methoxymethylethoxy)propanol	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
	through skin.
	TWA: 308 mg/m³ 8 hours.
	TWA: 50 ppm 8 hours.
2-ethylhexanoic acid, manganese salt	EH40/2005 WELs (United Kingdom (UK), 12/2011).
	TWA: 0,5 mg/m³, (as Mn) 8 hours.
2-butoxyethanol	EH40/2005 WELs (United Kingdom (UK), 12/2011). Absorbed
•	through skin.
	STEL: 50 ppm 15 minutes.
	TWA: 25 ppm 8 hours.

## **Recommended monitoring** procedures

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

## **DNELs/DMELs**

No DNELs/DMELs available.

#### **PNECs**

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

No PNECs available

#### 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 Gloves

: Use safety eyewear designed to protect against splash of liquids.

: When prolonged or frequently repeated contact may occur, a glove with a protection class of 6 (breakthrough time >480 minutes according to EN374) is recommended. Recommended gloves: Viton ® or Nitrile, thickness ≥ 0.38 mm.

When only brief contact is expected, a glove with protection class of 2 or higher (breakthrough time >30 minutes according to EN374) is recommended.

Recommended gloves: Nitrile, thickness ≥ 0.12 mm.

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

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

## **Body protection**

 Personnel should wear antistatic clothing made of natural fibres or of hightemperature-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.

#### **OLD LEAD-BASED PAINTS:**

When surfaces are to be prepared for painting, account should be taken of the age of the property and the possibility that lead-pigmented paint might be present. There is a possibility that ingestion or inhalation of scrapings or dust arising from the preparation work could cause health effects. As a working rule you should assume that this will be the case if the age of the property is pre 1960.

Where possible wet sanding or chemical stripping methods should be used with surfaces of this type to avoid the creation of dust. When dry sanding cannot be avoided, and effective local exhaust ventilation is not available, it is recommended that a dust respirator is worn, that is approved for use with lead dusts, and its type selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Furthermore, steps should be taken to ensure containment of the dusts created, and that all practicable measures are taken to clean up thoroughly all deposits of dusts in and around the affected area.

Respiratory protection in case of dust or spray mist formation. (particle filter EN143 type P2) Respiratory protection in case of vapour formation. (half mask with combination filter A2-P2 til concentrations of 0,5 Vol%.)

The current Control of Lead at Work Regulations approved code of practice should be consulted for advice on protective clothing and personal hygiene precautions. Care should also be taken to exclude visitors, members of the household and especially children from the affected area, during the actual work and the subsequent clean up operations. All scrapings, dust, etc. should be disposed of by

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

the professional painting contractor as Hazardous Waste.

Extra precautions will also need to be taken when burning off old lead-based paints because fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Similar precautions to those given above about sanding should be taken with reference to protective clothing, disposal of scrapings and dusts, and exclusion of other personnel and especially children from the building during actual work and the subsequent clean up operations.

Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

## **OLD LEAD-BASED PAINTS:**

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Extra precautions will also need to be taken when burning off old lead-based paints because fumes containing lead will be produced. It is recommended that a respirator, approved for use with particulate fumes of lead is selected on the basis of the COSHH assessment, taking into account the Workplace Exposure Limit for lead in air. Similar precautions to those given above about sanding should be taken with reference to protective clothing, disposal of scrapings and dusts, and exclusion of other personnel and especially children from the building during actual work and the subsequent clean up operations.

Avoid the inhalation of dust. Wear suitable face mask if dry sanding. Special precautions should be taken during surface preparation of pre-1960s paint surfaces over wood and metal as they may contain harmful lead.

Environmental exposure controls

: Do not allow to enter drains or watercourses.

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## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

**Appearance** 

**Physical state** : Liquid.

: Various: See label. Colour **Odour** : Not available. **Odour threshold** : Not available. pН : Not available. Melting point/freezing point : Not available.

Initial boiling point and boiling

range

: 34°C

Flash point : Closed cup: -18°C **Evaporation rate** : Not available. : Not available. Upper/lower flammability or

explosive limits

: Not available. Vapour pressure : Not available. Vapour density

**Relative density** : 0,761

Solubility(ies) : Insoluble in the following materials: cold water.

Partition coefficient: n-octanol/ : Not available.

water

**Auto-ignition temperature** : Not available. **Decomposition temperature** : Not available.

Kinematic (room temperature): 0,26 cm<sup>2</sup>/s **Viscosity** 

Kinematic (40°C): 0,29 cm<sup>2</sup>/s

**Explosive properties** : Not available. : Not available. Oxidising properties

9.2. Other information

Solubility in water : Not available.

Type of aerosol : Spray : 8,607 kJ/g **Heat of combustion** 

## 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.

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## **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

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

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

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

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

Ingestion may cause nausea, diarrhea and vomiting.

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

Contains phthalic anhydride. May produce an allergic reaction.

## **Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
acetone	LD50 Intraperitoneal	Mouse	1297 mg/kg	-
	LD50 Intravenous	Rat	5500 mg/kg	-
	LD50 Oral	Mouse	3 g/kg	-
	LD50 Oral	Rabbit	5340 mg/kg	-
	LD50 Oral	Rat	5800 mg/kg	_
	LD50 Oral	Rat	5800 mg/kg	_
	LDLo Dermal	Rabbit	20 mL/kg	_
	LDLo Intraperitoneal	Dog	8 g/kg	_
	LDLo Intraperitoneal	Rat	500 mg/kg	_
	LDLo Intravenous	Mouse	4 g/kg	_
	LDLo Intravenous	Rabbit	1576 mg/kg	_
	LDLo Oral	Dog	8 g/kg	_
	LDLo Oral	Dog	8000 mg/kg	_
	LDLo Oral	Human	714 mg/kg	
	LDLo Grai	Man - Male	1159 mg/kg	_
	unreported	Iviaii - Iviaie	i 100 mg/kg	
	LDLo Subcutaneous	Dog	5 g/kg	
	LDLo Subcutaneous	Guinea pig	5 g/kg 5 g/kg	<del>-</del>
	TDLo Intraperitoneal	Rat	1452 mg/kg	_
	TDLo Intrapentorieal	Mammal -	3,49 g/kg	-
	IDLO OIAI	species	3,49 g/kg	-
	TDI - 0I	unspecified	0057//	
	TDLo Oral	Man - Male	2857 mg/kg	-
	TDLo Oral	Man - Male	2857 mg/kg	-
	TDLo Oral	Rat	5 mL/kg	-
ohthalic anhydride	LD Intratracheal	Rat	>30 mg/kg	-
	LD50 Dermal	Rabbit	>10000 mg/kg	-
	LD50 Intraperitoneal	Guinea pig	100 mg/kg	-
	LD50 Oral	Cat	800 mg/kg	-
	LD50 Oral	Mouse	1500 mg/kg	-
	LD50 Oral	Rat	1530 mg/kg	-
	LD50 Oral	Rat	1530 mg/kg	-
	LD50 Rectal	Mouse	400 mg/kg	-
	LDLo Oral	Mouse	1000 mg/kg	-
	LDLo Oral	Rat	1500 mg/kg	-
	TDLo Ocular	Rabbit	100 pph	-
2-methoxymethylethoxy) propanol	LD50 Dermal	Rabbit	10 mL/kg	-
5. 5 p. 61. 101	LD50 Oral	Dog	7500 mg/kg	_
	LD50 Oral	Rat	5,5 mL/kg	_
	LD50 Oral	Rat	5400 uL/kg	
2-butoxyethanol	LC50 Inhalation Gas.	Mouse	700 ppm	7 hours
2-DUIOAYEIIIAIIOI	LD50 Dermal	Guinea pig	230 uL/kg	i liouis
	LD30 Deliliai	Guinea pig	∠30 uL/kg	-

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# **SECTION 11: Toxicological information**

	) Dermal	Rabbit	220 mg/kg	-
	) Intraperitoneal	Mouse	536 mg/kg	-
LD50	) Intraperitoneal	Rabbit	220 mg/kg	-
	) Intraperitoneal	Rat	220 mg/kg	-
	) Intravenous	Mouse	1130 mg/kg	-
LD50	) Intravenous	Rabbit	252 mg/kg	-
LD50	) Intravenous	Rat	307 mg/kg	-
LD50	) Oral	Guinea pig	1200 mg/kg	-
LD50	) Oral	Mouse	1230 mg/kg	-
LD50	) Oral	Mouse	1167 mg/kg	-
LD50	) Oral	Rabbit	300 mg/kg	-
LD50	) Oral	Rabbit	320 mg/kg	-
LD50	) Oral	Rat	917 mg/kg	-
LD50	) Oral	Rat	250 mg/kg	-
LD50	Route of exposure	Mammal -	1500 mg/kg	-
unre	ported	species		
		unspecified		
LD50	Route of exposure	Mouse	1050 mg/kg	-
unre	ported			
LD50	Route of exposure	Rat	917 mg/kg	-
	ported			
	o Oral	Human	143 mg/kg	-
LDLo	o Oral	Rat	1500 mg/kg	-
LDLo	Subcutaneous	Mouse	500 mg/kg	-
TDLo	o Intraperitoneal	Mammal -	100 mg/kg	-
		species		
		unspecified		
	o Oral	Man - Male	132 mg/kg	-
TDLo	o Oral	Rat	500 mg/kg	-
TDLo	o Oral	Woman -	600 mg/kg	-
		Female		
TDLo	o Oral	Woman -	7813 uL/kg	-
		Female		
TDLo	Route of exposure	Rat	250 mg/kg	-
unre	ported			

Conclusion/Summary
Acute toxicity estimates

: Not available.

N/A

## **Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
acetone	Eyes - Mild irritant	Human	-	186300 parts	-
				per million	
	Eyes - Mild irritant	Rabbit	-	10 microliters	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Eyes - Severe irritant	Rabbit	-	20 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	395 milligrams	-
phthalic anhydride	Eyes - Moderate irritant	Rabbit	-	24 hours 50 milligrams	-
(2-methoxymethylethoxy) propanol	Eyes - Mild irritant	Human	-	8 milligrams	-
	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Mild irritant	Rabbit	-	500 milligrams	-
2-butoxyethanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	100 milligrams	-

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## **SECTION 11: Toxicological information**

Skin - Mild irritant Rabbit - 500 - milligrams

**Conclusion/Summary** 

Sensitisation

: Not available.

**Conclusion/Summary** 

: Not available.

**Mutagenicity** 

**Conclusion/Summary**: Not available.

**Carcinogenicity** 

**Conclusion/Summary**: Not available.

**Reproductive toxicity** 

**Conclusion/Summary**: Not available.

**Teratogenicity** 

Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
acetone Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	Category 3 Category 3	Not applicable. Not applicable.	Narcotic effects Narcotic effects
phthalic anhydride	Category 3	Not applicable.	Respiratory tract irritation
Naphtha (petroleum), hydrotreated heavy	Category 3	Not applicable.	Narcotic effects

## Specific target organ toxicity (repeated exposure)

Not available.

## **Aspiration hazard**

Product/ingredient name	Result
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	ASPIRATION HAZARD - Category 1
Naphtha (petroleum), hydrotreated heavy Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

Other information : Not available.

# **SECTION 12: Ecological information**

## 12.1 Toxicity

There are no data available on the mixture itself.

Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment.

Product/ingredient name	Result	Species	Exposure
acetone	Acute EC50 11493300 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 11727900 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 7200000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute EC50 20,565 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute LC50 7550000 µg/l Fresh water	Crustaceans - Asellus aquaticus	48 hours
	Acute LC50 6000000 µg/l Fresh water	Crustaceans - Gammarus pulex	48 hours
	Acute LC50 8098000 µg/l Fresh water	Crustaceans - Ceriodaphnia	48 hours
		dubia - Neonate	
	Acute LC50 7460000 µg/l Fresh water	Daphnia - Daphnia cucullata	48 hours
	Acute LC50 7810000 µg/l Fresh water	Daphnia - Daphnia cucullata	48 hours
	Acute LC50 6900 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 10000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 8800000 µg/l Fresh water	Daphnia - Daphnia pulex	48 hours
	Acute LC50 7280000 µg/l Fresh water	Fish - Pimephales promelas	96 hours

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# **SECTION 12: Ecological information**

	Acute LC50 8120000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 6210000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
	Acute LC50 5600 ppm Fresh water	Fish - Poecilia reticulata	96 hours
	Acute LC50 8000 ppm Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Chronic NOEC 100 ul/L Marine water	Algae - Skeletonema costatum	72 hours
	Chronic NOEC 100 ul/L Marine water	Algae - Skeletonema costatum	96 hours
	Chronic NOEC 0,5 ml/L Marine water	Algae - Karenia brevis	96 hours
	Chronic NOEC 4,95 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 0,016 ml/L Fresh water	Crustaceans - Chydoridae	21 days
	Chronic NOEC 0,016 ml/L Fresh water	Crustaceans - Maxillopoda	21 days
	Chronic NOEC 0,016 ml/L Fresh water	Crustaceans - Daphniidae	21 days
	Chronic NOEC 0,016 ml/L Fresh water	Crustaceans - Bosminidae	21 days
	Chronic NOEC 0,016 ml/L Fresh water	Crustaceans - Macrothricidae	21 days
	Chronic NOEC 1 g/L Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 1 g/L Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 0,1 ml/L Fresh water	Daphnia - Daphnia magna -	21 days
		Neonate	
	Chronic NOEC 0,1 ml/L Fresh water	Daphnia - Daphnia magna -	21 days
		Neonate	
	Chronic NOEC 0,1 ml/L Fresh water	Daphnia - Daphnia magna -	21 days
		Neonate	
	Chronic NOEC 0,1 mg/l Fresh water	Fish - Fundulus heteroclitus	4 weeks
	Chronic NOEC 0,1 mg/l Fresh water	Fish - Fundulus heteroclitus	4 weeks
	Chronic NOEC 0,1 mg/l Fresh water	Fish - Fundulus heteroclitus	4 weeks
	Chronic NOEC 5 µg/l Marine water	Fish - Gasterosteus aculeatus -	42 days
		Larvae	
	Chronic NOEC 5 µg/l Marine water	Fish - Gasterosteus aculeatus -	42 days
		Larvae	
phthalic anhydride	Acute EC50 41400 μg/l Fresh water	Algae - Pseudokirchneriella	96 hours
		subcapitata	
	Acute EC50 78530 μg/l Fresh water	Algae - Pseudokirchneriella	96 hours
		subcapitata	
	Acute EC50 147 μg/l Fresh water	Algae - Pseudokirchneriella	96 hours
		subcapitata	
2-butoxyethanol	Acute EC50 >1000 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 800000 μg/l Marine water	Crustaceans - Crangon crangon	48 hours
	Acute LC50 1490000 μg/l Fresh water	Fish - Lepomis macrochirus	96 hours
	Acute LC50 1250000 µg/l Marine water	Fish - Menidia beryllina	96 hours
Canalysian/Cummany	. Not available	•	•

Conclusion/Summary :

: Not available.

## 12.2 Persistence and degradability

**Conclusion/Summary**: Not available.

## 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
acetone	-0,23	-	low
phthalic anhydride	1,6	3,4	low
Naphtha (petroleum),	-	10 to 2500	high
hydrotreated heavy			
(2-methoxymethylethoxy) propanol	0,004	-	low
2-ethylhexanoic acid,	-	2,96	low
manganese salt			
2-butoxyethanol	0,81	-	low

## 12.4 Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Mobility : Not available.

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## **SECTION 12: Ecological information**

#### 12.5 Results of PBT and vPvB assessment

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

**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.

**Disposal considerations** 

Do not allow to enter drains or watercourses.

Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

**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.

**Disposal considerations** 

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

Empty containers must be scrapped or reconditioned.

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

Type of packaging		European waste catalogue (EWC)
CEPE Paint Guidelines	15 01 10*	packaging containing residues of or

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**

Information pertaining to IATA and ADN is considered not relevant since the material is not packaged in the correct approved packaging required of these methods of transport.

	ADR	IMDG
14.1 UN number	UN1950	UN1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS
14.3 Transport hazard class(es) Class	2	2.1
Subsidiary class	-	-

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## Information pertaining to IATA and ADN is considered not relevant since the material is not packaged in the correct approved packaging required of these methods of transport.

14.4 Packing group	Not applicable.	Not applicable.
14.5 Environmental hazards Marine pollutant	No.	No.
	NO.	
Marine pollutant substances		Not available.
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.	
HI/Kemler number	Not applicable.	
Emergency schedules (EmS)		F-D,S-U
14.7 Transport in bulk : Not applicable. according to IMO instruments		
Additional information	Tunnel code (D)	-

## **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

## **Annex XIV**

None of the components are listed, or the component present is below its threshold.

#### Substances of very high concern

None of the components are listed, or the component present is below its threshold.

Annex XVII - Restrictions : Not applicable.

on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

## Other EU regulations

VOC for Ready-for-Use : Not applicable.

**Mixture** 

**Industrial emissions** : Listed

(integrated pollution prevention and control) -

Ozone depleting substances (1005/2009/EU)

Not listed.

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

Not listed.

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## **SECTION 15: Regulatory information**

Aerosol dispensers

3



Extremely flammable

## **Seveso Directive**

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

## **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.

#### **Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

## **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

## 15.2 Chemical safety

assessment

: No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

CEPE code :

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms**: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

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

Classification	Justification
Eye Irrit. 2, H319	On basis of test data Calculation method Calculation method

#### Full text of abbreviated H statements

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## **SECTION 16: Other information**

H222, H229	Extremely flammable aerosol. Pressurised container: may burst if
	heated.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if
	inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361fd	Suspected of damaging fertility. Suspected of damaging the
	unborn child.
H373	May cause damage to organs through prolonged or repeated
	exposure.
H411	Toxic to aquatic life with long lasting effects.

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

Acute Tox. 4, H302 Acute Tox. 4, H312 Acute Tox. 4, H312 Acute Tox. 4, H332 Acute Tox. 1, H229 Acute Tox. 4, H332 Acute Tox. 1, H229 Acute Tox. 1, H229 Acute Tox. 1, H229 Acute Tox. 1, H229 Acute Tox. 1, H241 Acute Tox. 2, H241 Acute Tox. 4, H332 Acute Tox. 4, H334 Acute Tox. 4, H336 Acute Tox. 4, H336 Acute Tox. 4, H336 Acute Tox. 4, H344 Acute Tox. 4, H336 Acute Tox. 4, H347 Acute Hallown, Challedown, Chal	Tull text of classifications [OLF/Orlo]		
Acute Tox. 4, H332 Aerosol 1, H222, H229 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 EUH066 Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Liq. 2, H226 Repr. 2, H361fd Reps. Sens. 1, H334 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 STOT SE 3, H335  ACUTE TOXICITY (inhalation) - Category 4 AEROSOLS - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 ASPIRATION HAZARD - Category 1 Repeated exposure may cause skin dryness or cracking. SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2 SKIN CORROSION/IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4	
Aerosol 1, H222, H229 Aquatic Chronic 2, H411 Asp. Tox. 1, H304 EUH066 Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Flam. Liq. 3, H226 Repr. 2, H361fd Resp. Sens. 1, H334 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 STOT SE 3, H335  AEROSOLS - Category 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 ASPIRATION HAZARD - Category 1 Repeated exposure may cause skin dryness or cracking. SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2 SKIN CORROSION/IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Acute Tox. 4, H312	ACUTE TOXICITY (dermal) - Category 4	
Aquatic Chronic 2, H411  Asp. Tox. 1, H304  EUH066  Eye Dam. 1, H318  Eye Irrit. 2, H319  Flam. Liq. 2, H225  Flam. Liq. 3, H226  Repr. 2, H361fd  Resp. Sens. 1, H334  Skin Irrit. 2, H315  Skin Sens. 1, H317  STOT RE 2, H373  STOT SE 3, H336  LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2  ASPIRATION HAZARD - Category 1  Repeated exposure may cause skin dryness or cracking.  SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1  SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2  FLAMMABLE LIQUIDS - Category 2  FLAMMABLE LIQUIDS - Category 3  REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2  SKIN CORROSION/IRRITATION - Category 1  SKIN CORROSION/IRRITATION - Category 1  SKIN SENSITISATION - Category 1  SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE (Respiratory tract irritation) - Category 3  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Acute Tox. 4, H332	ACUTE TOXICITY (inhalation) - Category 4	
ASP. Tox. 1, H304 EUH066 Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Flam. Liq. 3, H226 Repr. 2, H361fd  Resp. Sens. 1, H334 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373  ASPIRATION HAZARD - Category 1 Repeated exposure may cause skin dryness or cracking. SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2 RESPIRATORY SENSITISATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 STOT SE 3, H335  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 STOT SE 3, H336	Aerosol 1, H222, H229	AEROSOLS - Category 1	
EUH066 Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Flam. Liq. 3, H226 Repr. 2, H361fd Resp. Sens. 1, H334 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 EUH066 Eye Dam. 1, H318 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 2 Resp. Sens. 1, H334 REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2 RESPIRATORY SENSITISATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SKIN SENS. 1, H317 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 STOT SE 3, H335 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Aquatic Chronic 2, H411	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2	
Eye Dam. 1, H318 Eye Irrit. 2, H319 Flam. Liq. 2, H225 Flam. Liq. 3, H226 Repr. 2, H361fd Resp. Sens. 1, H334 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H335 STOT SE 3, H336 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2 RESPIRATORY SENSITISATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Asp. Tox. 1, H304		
Eye Irrit. 2, H319 Flam. Liq. 2, H225 Flam. Liq. 3, H226 Repr. 2, H361fd Resp. Sens. 1, H334 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 STOT SE 3, H336 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2 RESPIRATORY SENSITISATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	EUH066	Repeated exposure may cause skin dryness or cracking.	
Flam. Liq. 2, H225 Flam. Liq. 3, H226 Repr. 2, H361fd Resp. Sens. 1, H334 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 STOT SE 3, H336 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2 RESPIRATORY SENSITISATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Eye Dam. 1, H318	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1	
Flam. Liq. 3, H226 Repr. 2, H361fd  Repr. 2, H361fd  Resp. Sens. 1, H334  Resp. Sens. 1, H334  Skin Irrit. 2, H315  Skin Sens. 1, H317  STOT RE 2, H373  STOT SE 3, H335  STOT SE 3, H336  FLAMMABLE LIQUIDS - Category 3  REPRODUCTIVE TOXICITY (Fertility and Unborn child) -  Category 2  RESPIRATORY SENSITISATION - Category 1  SKIN CORROSION/IRRITATION - Category 2  SKIN SENSITISATION - Category 1  SPECIFIC TARGET ORGAN TOXICITY - REPEATED  EXPOSURE - Category 2  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE  (Respiratory tract irritation) - Category 3  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2	
Repr. 2, H361fd  REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2 Resp. Sens. 1, H334  Skin Irrit. 2, H315  Skin CORROSION/IRRITATION - Category 2 Skin Sens. 1, H317  STOT RE 2, H373  STOT SE 3, H335  STOT SE 3, H336  REPRODUCTIVE TOXICITY (Fertility and Unborn child) - Category 2 RESPIRATORY SENSITISATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE			
Category 2 Resp. Sens. 1, H334 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 STOT SE 3, H335 STOT SE 3, H336  Category 2 RESPIRATORY SENSITISATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Flam. Liq. 3, H226		
Resp. Sens. 1, H334 Skin Irrit. 2, H315 Skin Sens. 1, H317 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 STOT SE 3, H335 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Repr. 2, H361fd	REPRODUCTIVE TOXICITY (Fertility and Unborn child) -	
Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT RE 2, H373 STOT SE 3, H335 STOT SE 3, H336 SKIN CORROSION/IRRITATION - Category 2 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE			
Skin Sens. 1, H317 STOT RE 2, H373 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 STOT SE 3, H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE			
STOT RE 2, H373  SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 STOT SE 3, H335  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 STOT SE 3, H336  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2	
STOT SE 3, H335  EXPOSURE - Category 2  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE  (Respiratory tract irritation) - Category 3  STOT SE 3, H336  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Skin Sens. 1, H317		
STOT SE 3, H335  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3 STOT SE 3, H336  SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY - REPEATED	
(Respiratory tract irritation) - Category 3 STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE		EXPOSURE - Category 2	
STOT SE 3, H336 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	STOT SE 3, H335		
		, , ,	
(Narcotic effects) - Category 3	STOT SE 3, H336		
$\mathbf{I}$		(Narcotic effects) - Category 3	

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## **Notice to reader**

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## RADIATOR ENAMEL GLOSS AEROSOL

## **SECTION 16: Other information**

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