
SECTION 2: Hazards identification (....)

Supplemental Hazard information (EU)

Composition information in accordance with EC Regulation 648/2004 of the European Parliament and of the Council of 31st March 2004 on detergents: Cationic surfactants <5%, non-ionic surfactants 5 < 15%, perfumes d'Limonene, Citral

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Common Delegated Regulation (EU) 2017/2010 or Common Regulation (EU) 2018/605 at a concentration equal or greater than 0.1%.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

ETHOXYLATED ALCOHOLS C9/11

CAS Number: 68439-46-3
EC Number: 614-482-0
Concentration: 5-10%
H Statements: H302;H318
Categories: Acute Tox. 4, Eye Dam. 1
REACH Registration Number: Pre-registered

(2-METHOXYMETHYLETHOXY)PROPANOL

CAS Number: 34590-94-8
EC Number: 252-104-2
Concentration: 1-5%
H Statements: None
Categories: Substance with a Workplace Exposure Limit
REACH Registration Number: 01-2119450011-60

QUATERNARY AMMONIUM COMPOUNDS, C12-14-ALKYL(HYDROXYETHYL) DIMETHYL, ETHOXYLATED, CHLORIDES

CAS Number: 1554325-20-0
EC Number: 810-152-7
Concentration: 1-5%
H Statements: H302;H315;H318
Categories: Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1
REACH Registration Number: Pre-registered

SECTION 4: First aid measures

4.1 Description of first aid measures

Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
Remove contact lenses, if present and easy to do. Continue rinsing.
Seek medical advice

Contact with skin

Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water
Seek medical attention if irritation persists

SECTION 4: First aid measures (....)

Ingestion

- Rinse mouth with water (only if the person is conscious)
- Give plenty of water to drink
- Do not induce vomiting
- Seek medical advice

Inhalation

- In case of accident by inhalation: remove casualty to fresh air and keep at rest
- When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- The ingestion of significant quantities may cause dry throat
- The ingestion of significant quantities may cause nausea/vomiting
- Risk of serious damage to eyes

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
 - Eyewash bottles should be available
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire
- Decomposition products may include carbon oxides

5.3 Advice for firefighters

- Wear Breathing Apparatus
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - Keep container(s) exposed to fire cool, by spraying with water
 - Wear full protective clothing including chemical protection suit
-

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses
- Contain spillage by any means possible

6.3 Methods and material for containment and cleaning up

- Absorb spillage in earth or sand
- Place in sealable container
- Remove contaminated material to safe location for subsequent disposal

6.4 Reference to other sections

- See Section 8
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Handle and open container with care
- Ensure adequate ventilation

7.2 Conditions for safe storage, including any incompatibilities

SECTION 7: Handling and storage (....)

- Keep container tightly closed, in a cool, well ventilated place

7.3 Specific end use(s)

- See Section 1.2
-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

(2-METHOXYMETHYLETHOXY)PROPANOL

WEL (long term): 50 ppm (8 hour TWA)

DNEL: No information available

PNEC: No information available

8.2 Exposure controls



- Ensure adequate ventilation
 - Wear goggles giving complete eye protection
 - BS EN PPE Codes: EN 166:2001
 - Wear suitable gloves
 - Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
-

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Yellow
- Odour: Fruity odour
- Melting point/Range: 0 °C
- Boiling Point/Range: 100 °C
- Flammability: Not flammable
- pH: 7.5 at 100 % concentration
- Solubility in water: Completely soluble in water
- Density: 1 g/l
- pH: 7.5 at 100 % concentration
- Autoignition Temperature: Not applicable
- Explosive Properties: Non-explosive
- Oxidising Properties: None

9.2 Other information

Information with regard to physical hazard classes

No information available

Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

SECTION 10: Stability and reactivity (....)

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- This article is considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat
- Keep away from naked flames, incandescent or hot surfaces

10.5 Incompatible materials

- Avoid contact with acid
- Avoid contact with oxidising substances

10.6 Hazardous decomposition products

- Decomposition products may include toxic fumes
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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

ETHOXYLATED ALCOHOLS C9/11

LD₅₀ (oral, rat): 500 mg/kg

(2-METHOXYMETHYLETHOXY)PROPANOL

LD₅₀ (oral, rat): >5000 mg/kg

LD₅₀ (dermal, rabbit): 9150 mg/kg

QUATERNARY AMMONIUM COMPOUNDS, C12-14-ALKYL(HYDROXYETHYL) DIMETHYL, ETHOXYLATED, CHLORIDES

LD₅₀ (oral, rat): 833 mg/kg

Skin corrosion/irritation

Based on the available data, the classification criteria are not met
Mildly irritating to skin

Serious eye damage/irritation

Causes serious eye damage.
Calculation method

Respiratory or skin sensitisation

Based on the available data, the classification criteria are not met

Germ cell mutagenicity

Based on the available data, the classification criteria are not met

Carcinogenicity

Based on the available data, the classification criteria are not met

Reproductive toxicity

Based on the available data, the classification criteria are not met

STOT (specific target organ toxicity) - single exposure

Based on the available data, the classification criteria are not met

STOT (specific target organ toxicity) - repeated exposure

SECTION 11: Toxicological information (....)

Based on the available data, the classification criteria are not met

Aspiration hazard

Based on the available data, the classification criteria are not met

11.2 Information on other hazards

- No information available

SECTION 12: Ecological information

12.1 Toxicity

ETHOXYLATED ALCOHOLS C9/11

IC₅₀ (algae): 10-100 mg/l (72 hr)

EC₅₀ (daphnia): 10-100 mg/l (48 hr)

(2-METHOXYMETHYLETHOXY)PROPANOL

IC₅₀ (algae): >969 mg/l (96 hr)

EC₅₀ (daphnia): 1919 mg/l (48 hr)

LC₅₀ (fish): 1000 mg/l (96 hr)

QUATERNARY AMMONIUM COMPOUNDS, C12-14-ALKYL(HYDROXYETHYL) DIMETHYL, ETHOXYLATED, CHLORIDES

IC₅₀ (algae): 1-10 mg/l (72 hr)

EC₅₀ (daphnia): 1-10 mg/l (48 hr)

LC₅₀ (fish): 10-100 mg/l (96 hr)

12.2 Persistence and degradability

- Biodegradable

12.3 Bioaccumulative potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- Completely soluble in water
- This substance will leach into the soil

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Common Delegated Regulation (EU) 2017/2010 or Common Regulation (EU) 2018/605 at a concentration equal or greater than 0.1%.

12.7 Other adverse effects

- Presents little or no hazard to the environment

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

Not classified as hazardous for transport

SECTION 14: Transport information (....)

14.1 UN number or ID number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not Classified

14.6 Special precautions for user

- Not Classified

14.7 Maritime transport in bulk according to IMO instruments

- No information available
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SECTION 15: Regulatory information

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

- The COSHH Regulations apply in the UK
- The Health and Safety at Work Act applies in the UK
- Where UK Regulations are quoted, then for other nations the equivalent regulations should be identified
- The CLP Regulations apply in the UK
- The Workplace Directive (89/654/EEC) applies in the UK

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
 - This Safety Data Sheet does not constitute a workplace risk assessment
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H315: Causes skin irritation. H318: Causes serious eye damage.

Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ATE = acute toxicity estimate

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging

DMEL = Derived Minimum Effect Level

DNEL = Derived No Effect Level

EC50 = Median effective concentration

ECB = European Chemicals Bureau

EEC = European Economic Community

EINECS = European Inventory of Existing Commercial Chemical Substances

ELINCS = European List of Notified Chemical Substances

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

IC50 = Inhibition concentration, 50%

IMDG = International Maritime Code for Dangerous Goods

IUCLID = International Uniform Chemical Information Database

LC50 = Lethal concentration, 50%

LD50 = Median lethal dose

LC0 = lethal concentration, 0%

SECTION 16: Other information (....)

LOAEL = lowest-observed-adverse-effect level

MARPOL = International Convention for the Prevention of Marine Pollution from Ships

NOAEL = No Observed Adverse Effect Level

NOEC = No Observed Effect Concentration

PBT = Persistent, Bioaccumulative and Toxic substance

PNEC = Predicted No-Effect Concentration

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals

STP = Sewage Treatment Plant

TLV®/TWA = Threshold limit value – time-weighted average

TLV®STEL = Threshold limit value – short-time exposure limit

VOC = Volatile Organic Compounds

vPvB = very Persistent and very Bioaccumulative

This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

Use good personal hygiene practices

Do not mix with any other products

Due to major changes made, this Safety Data Sheet should be read entirely as new.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.