

SECTION 2: Hazards identification (....)

None

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

Hydrocarbons, C11-14, n-Alkanes, Isoalkanes, Cyclic, <2% Aromatics

CAS Number:

EC Number: 926-141-6

Concentration: 30-50%

Categories: Asp. Tox. 1

H Statements: H304

Petroleum gases, liquefied (<01.% 1,3 Butadiene)

CAS Number: 68476-85-7

EC Number: 270-704-2

Concentration: 10-30%

Categories: Flam. Gas 1

H Statements: H220

SECTION 4: First aid measures

4.1 Description of first aid measures

- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
- Never give anything by mouth to an unconscious person

Contact with eyes

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical advice if necessary

Contact with skin

Wash affected area with plenty of soap and water

Seek medical attention if irritation persists

Ingestion

Rinse mouth with water (do not swallow)

Do NOT induce vomiting.

Immediately call a POISON CENTER or doctor/physician.

Inhalation

Remove person to fresh air and keep comfortable for breathing.

When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- No information available

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
-

SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use foam, carbon dioxide or dry agent
- Do not use water jets

5.2 Special hazards arising from the substance or mixture

- Smoke from fires is toxic. Take precautions to protect personnel from exposure
- Decomposition products may include carbon oxides
- Inform Fire Brigade of potential danger of exploding and rocketing cylinders

5.3 Advice for firefighters

- Wear Breathing Apparatus
 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 - Keep container(s) exposed to fire cool, by spraying with water
 - Prevent run off water from entering drains if possible
-

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Ensure adequate ventilation
- Eliminate all ignition sources.
- Wear protective clothing as per section 8

6.2 Environmental precautions

- Do not allow to enter public sewers and watercourses
- Use appropriate containment to avoid environmental contamination
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Absorb spillage in suitable inert material
- Remove contaminated material to safe location for subsequent disposal
- Do not absorb spillage in sawdust or other combustible material
- Seek expert advice for removal and disposal of all contaminated materials and wastes

6.4 Reference to other sections

- See Section 8 + 13
-

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Keep away from heat and sources of ignition
- When using do not eat, drink or smoke

7.2 Conditions for safe storage, including any incompatibilities

- Keep only in the original container in a cool, well ventilated place away from heat
- Keep container tightly closed
- Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

7.3 Specific end use(s)

- See Section 1.2
-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Petroleum gases, liquefied (<01.% 1,3 Butadiene)

SECTION 8: Exposure controls/personal protection (....)WEL (long term): 1000 ppm 1750 mg/m³ (8 hour TWA)WEL (short term): 1250 ppm 2180 mg/m³

8.2 Exposure controls



- Ensure adequate ventilation
- Wear protective gloves/eye protection.
- In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Aerosol
- Colour: Amber
- Odour: Characteristic odour
- Odour threshold: No information available
- Melting point/Range: Not applicable
- Boiling Point/Range: Not applicable
- Flammability: Extremely Flammable
- Explosive Properties: H229 - Pressurised container: May burst if heated.
- Lower Explosive Limit: Not available
- Upper Explosive Limit: Not available
- Flash point: <23 °C (CC)
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- pH: Not applicable
- Viscosity: Not available
- Solubility in water: Insoluble in water
- Relative density: 0.77
- Particle characteristics: Not applicable

9.2 Other information

Information with regard to physical hazard classes

Volatile Organic Compound Content ca.65%

Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose
- Pressurised container: May burst if heated.

10.2 Chemical stability

- 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

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

- Keep away from heat
- Keep away from naked flames, incandescent or hot surfaces
- Do not expose to temperatures exceeding 50°C/ 122°F.

10.5 Incompatible materials

- Avoid contact with oxidising substances
- Avoid contact with acids and alkalis

10.6 Hazardous decomposition products

- Decomposition products may include carbon oxides
-

SECTION 11: Toxicological information

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

Acute toxicity

Estimated LD₅₀ (oral) (ATE) : >2000 mg/kg
Estimated LD₅₀ (dermal) (ATE) : >4000 mg/kg
Estimated LD₅₀ (inhalational) (ATE) : >20 mg/l/4hr (gas/vapour)

Hydrocarbons, C11-14, n-Alkanes, Isoalkanes, Cyclic, <2% Aromatics

LC₅₀ (inhalation, rat): >5000 mg/l (8 hr)
LD₅₀ (dermal, rabbit): >5000 mg/kg
LD₅₀ (oral, rat): >5000 mg/kg

Petroleum gases, liquefied (<01.% 1,3 Butadiene)

LC₅₀ (inhalation, rat): >20 mg/l (4 hr)

Skin corrosion/irritation

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

Serious eye damage/irritation

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

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

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

Aspiration hazard

May be fatal if swallowed and enters airways.
Calculation method

Endocrine disrupting properties

SECTION 11: Toxicological information (....)

Substance not identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100

11.2 Information on other hazards

- No information available
-

SECTION 12: Ecological information

12.1 Toxicity

Hydrocarbons, C11-14, n-Alkanes, Isoalkanes, Cyclic, <2% Aromatics

EC₅₀ (daphnia): 1000 mg/l (48 hr)

LC₅₀ (fish): 1000 mg/l (96 hr)

Petroleum gases, liquefied (<01.% 1,3 Butadiene)

IC₅₀ (algae): >100 mg/l (72 hr)

EC₅₀ (daphnia): >100 mg/l (48 hr)

LC₅₀ (fish): >100 mg/l (96 hr)

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- Insoluble in water

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

- No information available
-

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- EU Waste Codes: 160504, 150104, 150110
 - Disposal should be in accordance with local, state or national legislation
-

SECTION 14: Transport information



14.1 UN number or ID number

- UN No.: 1950

14.2 UN proper shipping name

- Proper Shipping Name: AEROSOLS
-

SECTION 14: Transport information (....)

14.3 Transport hazard class(es)

- Hazard Class: 2

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Presents little or no hazard to the environment

14.6 Special precautions for user

- Tunnel Code: D

14.7 Maritime transport in bulk according to IMO instruments

- No information available
-

SECTION 15: Regulatory information

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

- The Health and Safety at Work Act applies in the UK
- The COSHH Regulations apply in the UK
- The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK
- The Workplace Directive (89/654/EEC) applies in the UK
- The CLP Regulations apply in the UK
- The ADR Regulations apply in the UK
- Refer to current EC Directive 2012/18/EU (the Seveso III Directive)
- Where UK Regulations are quoted, then for other nations the equivalent regulations should be identified
- Water Hazard Class (Company): 1

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
-

SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H220: Extremely flammable gas.
H304: May be fatal if swallowed and enters airways.

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%

LOAEL = lowest-observed-adverse-effect level

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

SECTION 16: Other information (....)

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

Do not mix with any other products

Use good personal hygiene practices

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.

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.