

CONTACT CLEANER - 093170



SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : CONTACT CLEANER
Product code : 093170.

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

Improves electrical conductivity and reduces friction and wear. The cleaner is moisture, rust and corrosion proof. It cleans, lubricates and protects. Only use the product as directed on the aerosol.

1.3. Details of the supplier of the safety data sheet

Registered company name : Volcke Aerosol Company NV.
Address : Industrielaan 15. B-8520. Kuurme. Belgium.
Telephone : +32 (0) 56 35 17 23. Fax : +32 (0) 56 35 30 69.
info@volcke-aerosol-connection.com
http://www.volcke-aerosol-connection.com

1.4. Emergency telephone number : +32 (0) 56 35 17 23.

Association/Organisation : http://www.volcke-aerosol-connection.com.
Hours of operation : Monday - Thursday : 8:00-17:00; Friday : 8:00-13:00

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Aerosol, Category 1 (Aerosol 1, H222 - H229).
Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Detergent mixture (see section 15).
Mixture for aerosol application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07

GHS02

Signal Word :

DANGER

Hazard statements :

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.

Precautionary statements - General :

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

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.

Precautionary statements - Storage :

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) $\geq 0.1\%$ published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

Intentional misuse of the preparation by concentrating and inhaling the vapours can be harmful or fatal.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
EC: 926-141-6 REACH: 01-2119456620-43 HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS	GHS08 Dgr Asp. Tox. 1, H304 EUH:066		10 \leq x % < 25
CAS: 106-97-8 EC: 203-448-7 REACH: 01-2119474691-32 BUTANE (< 0,1 % 1,3-BUTADIENE)	GHS02 Dgr Flam. Gas 1, H220 Press. Gas, H280	C [1] [7]	10 \leq x % < 25
CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25 PROPAN-2-OL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]	10 \leq x % < 25
CAS: 64742-65-0 EC: 265-169-7 REACH: 01-2119471299-27 DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	GHS08 Dgr Asp. Tox. 1, H304		10 \leq x % < 25
EC: 919-857-5 REACH: 01-2119463258-33 HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS	GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH:066		2.5 \leq x % < 10
CAS: 40027-38-1 EC: 254-754-2 REACH: 01-2119974119-29 OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE	GHS07, GHS09, GHS08 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 10		0 \leq x % < 1

Information on ingredients :

[7] Propellant gas

[1] Substance for which maximum workplace exposure limits are available.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

In the event of splashes or contact with eyes :

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice/attention.

In the event of splashes or contact with skin :

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

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In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

See section 11.

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

If you feel unwell, seek medical advice (show the label if possible). If symptoms persist, always call a doctor.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

If the aerosols are exposed to a fire : keep containers cool by spraying with water from a protected position.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

If possible, stop the product stream. Spray from a protected position till the containers are cool. If possible, take the aerosols outside. Keep public on a distance.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid any contact with the skin and eyes.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Avoid eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Storage in a dry, frost-free and well ventilated place.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

- UK / WEL (Workplace exposure limits, EH40/2005, 2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
106-97-8	600 ppm	750 ppm	-	-	-
67-63-0	400 ppm	500 ppm	-	-	-

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : RCP-TWA-mg/m³ : 1200; RCP-TWA-ppm : 165

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : RCP-TWA-mg/m³ : 1200; RCP-TWA-ppm : 197

Distillates (petroleum), solvent-dewaxed heavy paraffinic : TWA TLV (ACGIH) : 5 mg/m³ (8 h); STEL : 10 mg/m³ (15 min)

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- Ireland (Code of practice for the safety, Health and Welfare at Work, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
106-97-8	600 ppm	750 ppm	-	-	-
67-63-0	400 ppm	500 ppm	-	-	-

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS

Final use: **Workers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 208 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 871 mg of substance/m3

Final use: **Consumers.**
Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 125 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 125 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 900 mg of substance/m3

PROPAN-2-OL (CAS: 67-63-0)

Final use: **Workers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 888 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 500 mg of substance/m3

Final use: **Consumers.**
Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 26 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 319 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 89 mg of substance/m3

Predicted no effect concentration (PNEC):

PROPAN-2-OL (CAS: 67-63-0)

Environmental compartment: Soil.
PNEC : 28 mg/kg

Environmental compartment: Fresh water.

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PNEC :	140.9 mg/l
Environmental compartment: PNEC :	Sea water. 140.9 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 140.9 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 552 mg/kg
Environmental compartment: PNEC :	Marine sediment. 552 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 2251 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

Do not spray in the direction of the eyes.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVA (Polyvinyl alcohol)

Recommended properties :

- Impervious gloves in accordance with standard EN374

Not necessary at efficient use. Wash your hands after contact with skin.

- Body protection

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

Not necessary at efficient use. Wash skin that has been in contact with the product, with water and soap.

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- Respiratory protection

Type of FFP mask :

Wear a disposable half-mask aerosol filter in accordance with standard EN149.

Category :

- FFP1

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

Particle filter according to standard EN143 :

- P1 (White)

Do not breathe spray. Use only in well-ventilated areas.

Exposure controls linked to environmental protection

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Fluid liquid. Spray.
Color :	Light yellow, clear
Odour :	Specific

Important health, safety and environmental information

pH :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	0.670
Water solubility :	Insoluble.
Chemical combustion heat :	Not specified.
Inflammation time :	Not specified.
Deflagration density :	Not specified.
Inflammation distance :	Not specified.
Flame height :	Not specified.
Flame duration :	Not specified.
Flash point :	< 0 °C
Flammability :	Extremely flammable

9.2. Other information

VOC (g/l) :	566.44
Pressure at 20°C :	± 3.5 bar
Pressure at 50°C :	< 10 bar
Water content :	< 0.3 % w/w

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heat

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- flames and hot surfaces
- frost

Protect from sunlight and do not expose to temperatures exceeding 50°C. Keep away from heat and sources of ignition. Storage in a dry, frost-free and well ventilated place.

10.5. Incompatible materials

No materials known by which a dangerous reaction can appear.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

The product is stable. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture 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 kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

Acute toxicity :

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Inhalation route : LC50 > 10 mg/l

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)

Oral route : LD50 > 2000 mg/kg
Species : Rat
OECD Guideline 423 (Acute Oral toxicity Acute Toxic Class Method)

Dermal route : LD50 > 2000 mg/kg
Species : Rat
OECD Guideline 402 (Acute Dermal Toxicity)

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS

Oral route : LD50 > 5000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 5000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route : LC50 > 4951 mg/l
Species : Rat
OECD Guideline 403 (Acute Inhalation Toxicity)

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)

Oral route : LD50 > 5000 mg/kg
Species : Rat

Dermal route : LD50 > 5000 mg/kg
Species : Rabbit

Inhalation route : LC50 = 5.53 mg/l
Species : Rat

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PROPAN-2-OL (CAS: 67-63-0)

Oral route :	LD50 = 5840 mg/kg Species : Rat OECD Guideline 401 (Acute Oral Toxicity)
Dermal route :	LD50 = 13900 mg/kg Species : Rabbit OECD Guideline 402 (Acute Dermal Toxicity)
Inhalation route :	LC50 > 25000 mg/m3 Species : Rat OECD Guideline 403 (Acute Inhalation Toxicity)

HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS

Oral route :	LD50 > 5000 mg/kg Species : Rat OECD Guideline 401 (Acute Oral Toxicity)
Dermal route :	LD50 > 5000 mg/kg Species : Rabbit OECD Guideline 402 (Acute Dermal Toxicity)
Inhalation route :	LC50 > 5000 mg/m3 Species : Rat OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/skin irritation :

Propan-2-ol : Repeated exposure may cause skin dryness or cracking.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Slightly irritating to skin in case of prolonged exposure.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Can dry out the skin and cause skin discomfort and inflammation.
Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine : Irritating to skin (rabbit).

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)

Irritation :	Average score = 0.17 Effect observed : Erythema score Species : Rabbit Duration of exposure : 72 h
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Serious damage to eyes/eye irritation :

Propan-2-ol : Causes serious eye irritation.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : May cause mild, short-lasting discomfort to eyes.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : May cause mild, short-lasting discomfort to eyes.
Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine : Irritating to eyes (rabbit).

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)

Iritis :	Average score = 0 Species : Rabbit Duration of exposure : 48 h
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Conjunctival redness :	Average score = 0.33 Species : Rabbit Duration of exposure : 48 h
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Respiratory or skin sensitisation :

Propan-2-ol : Not sensitizing.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not likely to be sensitizing.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not likely to be sensitizing.

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)

Guinea Pig Maximisation Test (GMPT) :	Non-sensitiser.
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Species : Guinea pig
OECD Guideline 406 (Skin Sensitisation)

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)

Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
Species : Guinea pig

Germ cell mutagenicity :

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Probably not mutagenic to germ cells.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Probably not mutagenic to germ cells.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)

Mutagenesis (in vivo) : Negative.
OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)

No mutagenic effect.

Mutagenesis (in vitro) : Negative.
Species : Mammalian Cell Line
OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Ames test (in vitro) : Negative.

PROPAN-2-OL (CAS: 67-63-0)

No mutagenic effect.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

No mutagenic effect.

Carcinogenicity :

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not likely to cause cancer.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not likely to cause cancer.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)

Carcinogenicity Test : Negative.
No carcinogenic effect.
Species : Mouse

PROPAN-2-OL (CAS: 67-63-0)

Carcinogenicity Test : Negative.
No carcinogenic effect.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Carcinogenicity Test : Negative.
No carcinogenic effect.

Reproductive toxicant :

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not likely to be toxic to reproduction.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not likely to be toxic to reproduction.

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)

Study on fertility : Species : Rat
OECD Guideline 414 (Prenatal Developmental Toxicity Study)

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)

No toxic effect for reproduction
Study on fertility : Species : Rat
Study on development : Species : Rat

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PROPAN-2-OL (CAS: 67-63-0)
No toxic effect for reproduction

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)
No toxic effect for reproduction

Specific target organ systemic toxicity - single exposure :

Propan-2-ol : To human : Vapours may cause drowsiness and dizziness.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : May cause drowsiness or dizziness.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not likely to cause organ damage.

Specific target organ systemic toxicity - repeated exposure :

Propan-2-ol : To human : Not listed for organ toxicity. By male rats : The product can affect the kidneys and liver, resulting in functional disturbances.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not likely to cause organ damage.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not likely to cause organ damage.

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)
OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

Aspiration hazard :

Propan-2-ol : Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : May be fatal if swallowed and enters airways.
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : May be fatal if swallowed and enters airways.

11.1.2. Mixture

No toxicological data available for the mixture.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)

Fish toxicity : LC50 = 1.34 mg/l
Species : Danio rerio
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity : EC50 = 0.048 mg/l
Factor M = 10
Species : Daphnia magna
Duration of exposure : 48 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

ECx > 1 mg/l
OECD Guideline 211 (Daphnia magna Reproduction Test)

Algae toxicity : ECr50 = 0.41 mg/l
Factor M = 1
Species : Pseudokirchnerella subcapitata
OECD Guideline 201 (Alga, Growth Inhibition Test)

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS

Fish toxicity : LC50 > 1000 mg/l
Species : Oncorhynchus mykiss
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 1000 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

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Algae toxicity :	ECr50 > 1000 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h
PROPAN-2-OL (CAS: 67-63-0) Fish toxicity :	LC50 = 9640 mg/l Species : Pimephales promelas Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 = 9714 mg/l Species : Daphnia magna Duration of exposure : 24 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	ECr50 > 1000 mg/l Species : Scenedesmus subspicatus Duration of exposure : 72 h
HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS Fish toxicity :	LC50 = 1000 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 1000 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	ECr50 = 1000 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

Butane/Isobutane/Propane : Expected to be readily biodegradable.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Expected to be readily biodegradable. Transformation due to hydrolysis and due to photolysis is not expected to be significant. Expected to degrade rapidly in air.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Expected to be readily biodegradable. Transformation due to hydrolysis and due to photolysis is not expected to be significant. Expected to degrade rapidly in air.

12.2.1. Substances

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)
Biodegradability : Rapidly degradable.

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS
Biodegradability : Rapidly degradable.

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)
Biodegradability : Rapidly degradable.

PROPAN-2-OL (CAS: 67-63-0)
Biodegradability : Rapidly degradable.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)
Biodegradability : Rapidly degradable.

HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS
Biodegradability : Rapidly degradable.

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12.3. Bioaccumulative potential

Propan-2-ol : No bioaccumulation.

Butane/Isobutane/Propane : Not expected to be dangerous for the aquatic environment.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not determined.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not determined.

Distillates (petroleum), solvent-dewaxed heavy paraffinic : High.

12.3.1. Substances

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)

Octanol/water partition coefficient : log K_{ow} > 3

12.4. Mobility in soil

Propan-2-ol : Expected to remain in water or migrate through soil.

Butane/Isobutane/Propane : If released into the environment, the product will rapidly disperse into the atmosphere where it will undergo photochemical degradation.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Highly volatile, will spread rapidly in air. It is not expected to extract to the sediment and the fraction fixed substances in the waste water.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : Not determined.

Distillates (petroleum), solvent-dewaxed heavy paraffinic : No data available.

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine : Strong adsorption.

12.5. Results of PBT and vPvB assessment

Propan-2-ol : PBT/vPvB : No.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : PBT/vPvB : No.

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics : PBT/vPvB : No.

Distillates (petroleum), solvent-dewaxed heavy paraffinic : PBT/vPvB : No.

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine : PBT/vPvB : No.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

14.1. UN number

1950

14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

14.3. Transport hazard class(es)

- Classification :

2.1

ADR/RID Label : Limited Quantity : 2.1 is not applicable.

14.4. Packing group

-

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14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344 625	E0	2	D
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	2.1	See SP63	-	SP277	F-D,S-U	63 190 277 327 344 959	E0			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	2.1	-	-	203	75 kg	203	150 kg	A145 A167 A802	E0	
	2.1	-	-	Y203	30 kg G	-	-	A145 A167 A802	E0	

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- Directive 75/734/CEE modified by directive 2013/10/UE
- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

- Container information:

No data available.

- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- 30 % and more : aliphatic hydrocarbons

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the following products or for the substances in these products :

Propan-2-ol

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2 % aromatics

Distillates (petroleum), solvent-dewaxed heavy paraffinic

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

- | | |
|------|---|
| H220 | Extremely flammable gas. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H315 | Causes skin irritation. |

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H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Abbreviations :

DNEL : Derived No-Effect Level
PNEC : Predicted No-Effect Concentration
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefährdungsklasse (Water Hazard Class).
GHS02 : Flame
GHS07 : Exclamation mark
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.

Difference Report

Revision: N°4 (07/09/2015) / Version: N°1 (07/09/2015)

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

Revision: N°2 (02/09/2013) / Version: N°2 (24/06/2014)

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 – n° 453/2010)

SECTION 2 : HAZARDS IDENTIFICATION

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

~~Extremely flammable (F+, R-12).~~

~~Vapours may cause drowsiness and dizziness (R-67).~~

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Composition :

Identification	(EC) 1272/2008	67/548/EEC	Note	%
EC: 926-141-6 REACH: 01-2119456620-43 HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS	GHS08 Dgr Asp. Tox. 1, H304 EUH:066	Xn Xn;R65 R66		10 ≤ x % < 25
INDEX: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7 REACH: 01-2119474691-32 BUTANE (< 0,1% 1,3-BUTADIENE)	GHS02, GHS04 Dgr Flam. Gas 1, H220	F+ F+;R12	C [H] [7]	10 ≤ x % < 25
CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25 PROPAN-2-OL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	Xi Xi;R36 F;R11 R67	[H]	10 ≤ x % < 25

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EC: 919-857-5 REACH: 01-2119463258-33 HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS	GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH:066	Xn Xn;R65 R10 R66-R67		2.5 <= x % < 10
Identification	(EC) 1272/2008	Note	%	
EC: 926-141-6 REACH: 01-2119456620-43 HYDROCARBONS, C11-C14, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS	GHS08 Dgr Asp. Tox. 1, H304 EUH:066			10 <= x % < 25
CAS: 106-97-8 EC: 203-448-7 REACH: 01-2119474691-32 BUTANE (< 0,1 % 1,3-BUTADIENE)	GHS02 Dgr Flam. Gas 1, H220 Press. Gas, H280	C [1] [7]		10 <= x % < 25
CAS: 67-63-0 EC: 200-661-7 REACH: 01-2119457558-25 PROPAN-2-OL	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	[1]		10 <= x % < 25
CAS: 64742-65-0 EC: 265-169-7 REACH: 01-2119471299-27 DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC	GHS08 Dgr Asp. Tox. 1, H304			10 <= x % < 25
EC: 919-857-5 REACH: 01-2119463258-33 HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2 % AROMATICS	GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH:066			2.5 <= x % < 10
CAS: 40027-38-1 EC: 254-754-2 REACH: 01-2119974119-29 OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIA MINE	GHS07, GHS09, GHS08 Wng Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 10			0 <= x % < 1

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits :

Distillates (petroleum), solvent-dewaxed heavy paraffinic : TWA TLV (ACGIH) : 5 mg/m³ (8 h); STEL : 10 mg/m³ (15 min)

SECTION 11 : TOXICOLOGICAL INFORMATION

Acute toxicity :

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Inhalation route : LC50 > 10 mg/l

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)

Oral route : LD50 > 2000 mg/kg
OECD Guideline 423 (Acute Oral toxicity Acute Toxic Class Method)

Dermal route : LD50 > 2000 mg/kg

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)

Species : Rat

Species : Rabbit

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Inhalation route : LC50 = 5.53 mg/l
Species : Rat

Skin corrosion/skin irritation :

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine : Irritating to skin (rabbit).
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)
Irritation : Average score = 0.17
Effect observed : Erythema score
Duration of exposure : 72 h

Serious damage to eyes/eye irritation :

Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine : Irritating to eyes (rabbit).
DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)
Iritis : Average score = 0
Duration of exposure : 48 h

Conjunctival redness : Average score = 0.33
Duration of exposure : 48 h

Respiratory or skin sensitisation :

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)
Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
Species : Guinea pig
OECD Guideline 406 (Skin Sensitisation)

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)
Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.
Species : Guinea pig

Germ cell mutagenicity :

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)
Mutagenesis (in vivo) : Negative.
OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)
Mutagenesis (in vitro) : Negative.
Species : Mammalian Cell Line
OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Ames test (in vitro) : Negative.

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Carcinogenicity :

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)
Carcinogenicity Test : Negative.
No carcinogenic effect.
Species : Mouse

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Reproductive toxicant :

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)
Study on fertility : Species : Rat
OECD Guideline 414 (Prenatal Developmental Toxicity Study)

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)
No toxic effect for reproduction
Study on fertility : Species : Rat

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Study on development : Species : Rat

BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

Specific target organ systemic toxicity - repeated exposure :

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)
 OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

SECTION 12 : ECOLOGICAL INFORMATION

12.1.1. Substances

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)

Fish toxicity : LC50 = 1.34 mg/l
 Species : Danio rerio
 Crustacean toxicity : EC50 = 0.048 mg/l
 Factor M = 10
 Duration of exposure : 48 h
 ECx > 1 mg/l
 OECD Guideline 211 (Daphnia magna Reproduction Test)

Algae toxicity : ECr50 = 0.41 mg/l
 Factor M = 1
 OECD Guideline 201 (Alga, Growth Inhibition Test)

12.2.1. Substances

OLEIC ACID, COMPOUND WITH (Z)-N-OCTADEC-9-ENYLPROPANE-1,3-DIAMINE (CAS: 40027-38-1)
 DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)
 BUTANE (< 0,1 % 1,3-BUTADIENE) (CAS: 106-97-8)

12.3. Bioaccumulative potential

Distillates (petroleum), solvent-dewaxed heavy paraffinic : High.

12.3.1. Substances

DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (CAS: 64742-65-0)
 Octanol/water partition coefficient : log K_{ow} > 3

12.4. Mobility in soil

Distillates (petroleum), solvent-dewaxed heavy paraffinic : No data available.
 Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine : Strong adsorption.

12.5. Results of PBT and vPvB assessment

Distillates (petroleum), solvent-dewaxed heavy paraffinic : PBT/vPvB : No.
 Oleic acid, compound with (Z)-N-octadec-9-enylpropane-1,3-diamine : PBT/vPvB : No.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013-IMDG 2012 - ICAO/IATA 2014).

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ		
	2.1	-	-	203	75 kg	203	150 kg	A145- A167- A145- A167- A802	E0

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2015 - IMDG 2014 - ICAO/IATA 2015).

	2.1	-	-	203	75 kg	203	150 kg	A145 A167 A802	E0
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SECTION 15 : REGULATORY INFORMATION

- Classification and labelling information included in section 2:

~~Directive 67/548/EEC and its adaptations~~

~~Directive 1999/45/EC and its adaptations~~

~~Regulation EC 1272/2008 modified by regulation EC 618/2012~~

- EU Regulation No. 1272/2008 amended by EU Regulation No. 487/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 944/2013.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

15.2. Chemical safety assessment

Distillates (petroleum), solvent-dewaxed heavy paraffinic

SECTION 16 : OTHER INFORMATION

Wording of the phrases mentioned in section 3 :

R 10	Flammable.
R 11	Highly flammable.
R 12	Extremely flammable.
R 36	Irritating to eyes.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.
R 67	Vapours may cause drowsiness and dizziness.
H280	Contains gas under pressure; may explode if heated.
H315	Causes skin irritation.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Abbreviations :

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.