



600-T900 Silicon/Wax Remover

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date : 05.10.2018 - Print date : 04-10-2019

Version (Revision) : 105.3.0 (105.2.0)

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

1.1 Product identifier

600-T900 Silicon/Wax Remover

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

Relevant identified uses

Product Categories [PC]

PC 9 - Coatings and paints, fillers, putties, thinners

PC 35 - Washing and cleaning products

Sector of uses [SU]

Industrial uses

Uses advised against

This product shall not be available to the general public/consumers as such. This product is not recommended for applications other than the above-identified uses.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

SOTT INTERNATIONAL BV

Street :

De Donge 7

Postal code/city :

5684PX Best Netherlands

Telephone :

+31 (0)499-751 810

Telefax :

n.a.

E-mail (competent person) : info@sott-international.com - www.sott-international.com

1.4 Emergency telephone number

NL - Nationaal Vergiftigingen Informatie Centrum NVIC - Bilthoven + 31 30 274 88 88 (Uitsluitend bereikbaar voor een behandelend arts in geval van een accidentele vergiftiging) // BE - Antigifcentrum - Brussel + 32 70 245 245 (een arts beantwoordt uw oproep) // BE - Centre Anti-poison - Bruxelles + 32 70 245 245 (un médecin répondra à votre appel) // D - Antigifcentrum (Duitsland - Berlin) : +49 30 450 653565 // S - Swedish Poisons Information Center 112 begär Giftinformationscentralen // UK - Ricardo-AEA (UK) : +44 (0)870 190 6777 // DK - Poison Information Center Denmark +45 82 12 12 12 // AT (Austria) - Vergiftungsinformationszentrale der Gesundheit Österreich GmbH Notruf-Telefon: +43 1 406 43 43 // NO - Norwegian Environment Agency / Giftinformasjon Tel: +47 22 59 13 00 // PL - Bureau for Chemical Substances +48 42 2538 400 // CZ - Ministry of Health of the Czech Republic +420267082257 // IT - Istituto Superiore di Sanità (ISS) +390649906140 // HU - Ministry of Human Capacities, Department for Chemical Safety // SK - National Toxicological Information Centre +421 2 5465 2307 // ES - Instituto Nacional de Toxicología y Ciencias Forenses (INTCF) +34 917689800 // TR - Ministry of Health Üniversiteler Mah. Dumlupınar Bulv. 6001. Cad. No:9 06800 Bilkent - Çankaya / Ankara- Turkey Telephone: +90 312 565 5212 / 5218 / 5222 //

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms

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Flame (GHS02) · Health hazard (GHS08) · Corrosion (GHS05) · Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS

BUTAN-1-OL ; CAS No. : 71-36-3

2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1

Hazard statements

- | | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| H304 | May be fatal if swallowed and enters airways. |
| H318 | Causes serious eye damage. |
| H336 | May cause drowsiness or dizziness. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

- | | |
|-----------|--|
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P331 | Do NOT induce vomiting. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P501 | Dispose of contents / container to a licensed waste processing company. |

Supplemental Hazard information (EU)

- | | |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
|--------|---|

Special rules for supplemental label elements for certain mixtures
for professional use only

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS ; REACH registration No. : 01-2119473851-33 ; EC No. : 920-750-0

Weight fraction : $\geq 50 - < 100 \%$

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Asp. Tox. 1 ; H304 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

BUTAN-1-OL ; REACH registration No. : 01-2119484630-38 ; EC No. : 200-751-6 ; CAS No. : 71-36-3

Weight fraction : $\geq 3 - < 10 \%$

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 STOT SE 3 ; H336

2-METHYLPROPAN-1-OL ; REACH registration No. : 01-2119484609-23 ; EC No. : 201-148-0 ; CAS No. : 78-83-1

Weight fraction : $\geq 1 - < 2,5 \%$

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 STOT SE 3 ; H336

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH

None

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH

None

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove affected person from the danger area and lay down. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect).

4.2 Most important symptoms and effects, both acute and delayed

Dizziness Headache Impairment of vision Nausea Vomiting

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO₂) Extinguishing powder Water spray

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.

5.4 Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation. See protective measures under point 8 from the MSDS.

6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

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6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly.

6.4 Reference to other sections

See sections 8 &13

SECTION 7: Handling and storage



7.1 Precautions for safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Only use the material in places where open light, fire and other flammable sources can be kept away.

Protective measures

All work processes must always be designed so that the following is excluded: Inhalation of vapours or spray/mists
Take precautionary measures against static discharges.

Measures to prevent fire

Keep away from sources of ignition - No smoking. Usual measures for fire prevention. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Provide earthing of containers, equipment, pumps and ventilation facilities. Use only antistatically equipped (spark-free) tools. Wear anti-static footwear and clothing Take precautionary measures against static discharges.

Measures to prevent aerosol and dust generation

Vapours/aerosols should be exhausted directly at the point of origin. Use only in well-ventilated areas.

Environmental precautions

Shafts and sewers must be protected from entry of the product.

7.2 Conditions for safe storage, including any incompatibilities

None

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type :	DNEL/DMEL (Consumer) (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Inhalation
Exposure frequency :	Long-term exposure- Systemic effects
Limit value :	608 mg/m ³
Limit value type :	DNEL/DMEL (Consumer) (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Oral
Exposure frequency :	Long- term exposure- Local effects
Limit value :	699 mg/kg
Limit value type :	DNEL/DMEL (Consumer) (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Dermal
Exposure frequency :	Long-term exposure- Systemic effects
Limit value :	699 MG/KG Body weight/day
Limit value type :	DNEL/DMEL (Consumer) (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Oral

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Exposure frequency :	Long-term exposure- Systemic effects
Limit value :	699 mg/kg
Limit value type :	DNEL/DMEL (Industrial) (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Inhalation
Exposure frequency :	Long- term exposure- Local effects
Limit value :	2035 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Inhalation
Exposure frequency :	Long-term exposure- Systemic effects
Limit value :	2035 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Dermal
Exposure frequency :	Long-term exposure- Systemic effects
Limit value :	773 MG/KG Body weight/day
Limit value type :	DNEL/DMEL (Consumer) (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Oral
Exposure frequency :	Long-term exposure- Systemic effects
Limit value :	3,125 MG/KG Body weight/day
Limit value type :	DNEL/DMEL (Consumer) (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Inhalation
Exposure frequency :	Long- term exposure- Local effects
Limit value :	55 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Inhalation
Exposure frequency :	Long- term exposure- Local effects
Limit value :	310 mg/m ³
Limit value type :	DNEL/DMEL (Consumer) (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Oral
Exposure frequency :	Long-term exposure- Systemic effects
Limit value :	25 MG/KG Body weight/day
Limit value type :	DNEL/DMEL (Consumer) (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Inhalation
Exposure frequency :	Long- term exposure- Local effects
Limit value :	55 mg/m ³
Limit value type :	DNEL/DMEL (Industrial) (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Inhalation
Exposure frequency :	Long- term exposure- Local effects
Limit value :	310 mg/m ³

PNEC

Limit value type :	PNEC (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Süßwasser
Limit value :	0,082 mg/l
Limit value type :	PNEC (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Marine water
Limit value :	0,0082 mg/l
Limit value type :	PNEC (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Intermittent release
Limit value :	2,25 mg/l
Limit value type :	PNEC (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Sewage treatment plants
Limit value :	2476 mg/l
Limit value type :	PNEC (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Sediment (fresh water)
Limit value :	0,178 mg/kg dw
Limit value type :	PNEC (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Sediment (marine)

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Limit value :	0,0178 mg/kg dw
Limit value type :	PNEC (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Soil
Limit value :	0,015 MG/KG Bodem droog gewicht
Limit value type :	PNEC (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Süßwasser
Limit value :	0,4 mg/l
Limit value type :	PNEC (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Marine water
Limit value :	0,04 mg/l
Limit value type :	PNEC (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Water
Exposure time :	Intermittant releases
Limit value :	11 mg/l
Limit value type :	PNEC (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Sewage treatment plants
Limit value :	10 mg/l
Limit value type :	PNEC (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Sediment (fresh water)
Limit value :	1,52 mg/kg
Limit value type :	PNEC (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Sediment (marine)
Limit value :	0,152 mg/kg
Limit value type :	PNEC (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Soil
Limit value :	0,0699 mg/kg

8.2 Exposure controls



Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Suitable gloves type : Gloves with long cuffs

Suitable material : NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 480 min

Thickness of the glove material : 0,5 mm

Recommended glove articles : EN ISO 374

Additional hand protection measures : Check leak tightness/impermeability prior to use. Do not wear gloves near rotary machines and tools. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Remark : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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Body protection

Lab coat. Overall

Suitable protective clothing : For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Chemical resistant safety shoes Only wear fitting, comfortable and clean protective clothing.

Required properties : antistatic. flame-resistant heat-resistant

Recommended material : Natural fibres (e.g. cotton) heat-resistant synthetic fibres

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Suitable respiratory protection apparatus

DIN EN 12942:2009-02 Filtering device with filter or ventilator filtering device of type: A

General health and safety measures

Wash hands before breaks and after work. Apply skin care products after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour: Colourless

Odour: Characteristic

Appearance: Clear and sediment free

Safety relevant basis data

Physical state :

Liquid

Store frost free :

No

Viscosity:

No data available

Melting point / range : (1013 hPa)

<

-30 °C

Boiling point / range : (1013 hPa)

95 - 145 °C

Calculated

Decomposition temperature : (1013 hPa)

No data available

Flash point :

1 °C

ASTM D 6450

Ignition temperature :

220 °C

Estimated

Lower explosion limit :

>

0,9 Vol-%

Estimated

Upper explosion limit :

<

6,9 Vol-%

Estimated

Vapour pressure : (20 °C)

4,2 kPa

Density : (20 °C)

0,726 - 0,746 g/cm³

Solubility in water : (20 °C)

0,5 Wt %

log P O/W :

No data available

Odour threshold :

No data available

Vapourisation rate :

No data available

Explosive properties :

No data available

9.2 Other information

Information on basic physical and chemical properties with no data available means not applicable due to the nature of the product.

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3 Possibility of hazardous reactions

None

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Alkali (lye), concentrated. Acid, concentrated. Oxidising agent, strong.

10.6 Hazardous decomposition products

Carbon dioxide. Carbon monoxide

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute effects**

Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. May cause respiratory irritation.

Acute oral toxicity

Parameter :	ATEmix calculated
Exposure route :	Oral
Effective dose :	12621 mg/kg
Parameter :	LD50 (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	790 mg/kg
Parameter :	LD50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Exposure route :	Oral
Species :	Rat
Effective dose :	2460 mg/kg

Acute dermal toxicity

Parameter :	ATEmix calculated
Exposure route :	Dermal
Effective dose :	not relevant
Parameter :	LD50 (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2800 mg/kg
Parameter :	LD50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	3400 mg/kg

Acute inhalation toxicity

Parameter :	ATEmix calculated
Exposure route :	Inhalation (vapour)
Effective dose :	not relevant
Parameter :	LC50 (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 23,3 mg/l
Exposure time :	4 h
Parameter :	LC50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	8000 ppm
Parameter :	LC50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)

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not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Directive 2008/98/EC (Waste Framework Directive)

After intended use

Disposal operations

Dispose according to legislation.

Waste codes/waste designations according to EWC/AVV

14 06 03*

13.2 Additional information

None

SECTION 14: Transport information

14.1 UN number

UN 1263

14.2 UN proper shipping name

Land transport (ADR/RID)

PAINT RELATED MATERIAL

Sea transport (IMDG)

PAINT RELATED MATERIAL (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)

Air transport (ICAO-TI / IATA-DGR)

PAINT RELATED MATERIAL

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 3
Classification code : F1
Hazard identification number (Kemler No.) : 33
Tunnel restriction code : D/E
Special provisions : 640D · LQ 5 I · E 2
Hazard label(s) :



3



/ N

Sea transport (IMDG)

Class(es) : 3
EmS-No. : F-E / S-E
Special provisions : LQ 5 I · E 2
Hazard label(s) :



3



/ N

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3
Special provisions : E 2

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Species :	Pseudokirchneriella subcapitata
Evaluation parameter :	Acute (short-term) algae toxicity
Effective dose :	10 mg/l
Exposure time :	72 h
Parameter :	EC50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	1328 mg/l
Exposure time :	48 h
Parameter :	EC50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Species :	Pseudokirchneriella subcapitata
Evaluation parameter :	Acute (short-term) algae toxicity
Effective dose :	225 mg/l
Exposure time :	96 h
Method :	OECD 201
Parameter :	EC50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Species :	Daphnia pulex (water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	1100 mg/l
Exposure time :	48 h
Parameter :	EC50 (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Species :	Pseudokirchneriella subcapitata
Evaluation parameter :	Acute (short-term) algae toxicity
Effective dose :	632 mg/l
Exposure time :	72 h
Method :	OECD 201
Bacteria toxicity	
Parameter :	EC50 (BUTAN-1-OL ; CAS No. : 71-36-3)
Species :	Pseudomonas putida
Evaluation parameter :	Bacteria toxicity
Effective dose :	4390 mg/l
Exposure time :	17 h
Method :	DIN 38412 / part 8

12.2 Persistence and degradability

Biodegradation

Parameter :	Biodegradation (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Degradation rate :	> 69 %
Test duration :	28 Days
Parameter :	Biodegradation (BUTAN-1-OL ; CAS No. : 71-36-3)
Inoculum :	Biodegradation
Degradation rate :	> 70 %
Test duration :	19 Days
Parameter :	Biodegradation (2-METHYLPROPAN-1-OL ; CAS No. : 78-83-1)
Inoculum :	Biodegradation
Degradation rate :	70 - 80 %
Test duration :	28 Days

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

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Hazard label(s) :



3

14.4 Packing group

II

14.5 Environmental hazards

Land transport (ADR/RID) : Yes

Sea transport (IMDG) : Yes (P)

Air transport (ICAO-TI / IATA-DGR) : Yes

14.6 Special precautions for user

None

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

Not applicable

14.8 Additional information

Inland waterway craft (ADN) : No data available

SECTION 15: Regulatory information

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

National regulations

Other regulations, restrictions and prohibition regulations

The restrictions mentioned in Annex XVII to Regulation (EC) No 1907/2006 must be taken into account.

Algemene BeoordelingsMethodiek (ABM), waterbezwaarlijkheid

Aanduiding waterbezwaarlijkheid : (A2) Vergiftig voor in water levende organismen kan in het aquatische milieu op lange termijn schadelijke effecten veroorzaken.

Saneringsinspanning : A

ZZS stoffen

No

International regulatory information

This product contains max.: 739 g/l VOC

15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

08. DNEL/DMEL · 08. PNEC

16.2 Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

ABM Algemene Beoordelings Methodiek

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

AC Article category

CSR Chemical safety report

CAS Chemical Abstracts Service

CLP Classification Labelling Packaging

DIN Duitse Institut voor Normen

DMEL Derived minimum effect level

DNEL Derived No-Effect Level

DU Downstream user

600-T900 Silicon/Wax Remover

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DU-CSA Downstream user chemical safety assessment
ECHA European Chemicals Agency
EC50 Half maximal effective concentration
EINECS European Inventory of Existing Commercial Chemical Substances
ERC Environmental release class
ES Exposure scenario
ESD Emission scenario document
EWC European waste Catalogue
EWL European waste list
GHS Globally Harmonised System
IMDG International Maritime Dangerous Goods Code
ISO International Standards Organisation
LC50 Median lethal concentration. The concentration causing 50 % lethality
LD50 Median lethal dose. The dose causing 50 % lethality
LEL Lower Explosion Limit
NOAEL No observed adverse effect level
NOEC No observed effect concentration
NOEL No observed effect level
OC Operational condition
OEL Occupational exposure Limits
PC Chemical product category
PBT Persistent, bioaccumulative, toxic
PNEC Predicted no-effect concentration
PPE Personal protection equipment
PROC Process category
RMM Risk management measure
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS Safety data sheet
STEL Short-term Exposure limit
SU Sectors of use
SVHC Substances of very high concern
UC Use category
UN United Nations
VIB Veiligheidsinformatieblad
vPvB Very persistent and very bioaccumulative
ZZS Zeer Zorgwekkende Stoffen

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification of the substance or mixture according to Regulation (EC) No 1272/2008 [CLP] by calculation method via software.

16.5 Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

We have no knowledge or control over the user's working conditions however. The user is responsible for the observance of all required statutory provisions. These data are based on our present knowledge. However, they shall

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Exposure route : Inhalation
Species : Rat
Effective dose : 8000 ppm

Irritant and corrosive effects

Primary irritation to the skin

No information available.

Irritation to eyes

No information available.

Irritation to respiratory tract

No information available.

Sensitisation

In case of skin contact

No information available.

In case of inhalation

No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No information available.

Germ cell mutagenicity

No information available.

Reproductive toxicity

No information available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

No information available.

11.2 Toxicokinetics, metabolism and distribution

There are no data available on the preparation/mixture itself.

Non-human toxicological data

No information available.

11.4 Other adverse effects

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc. Has degreasing effect on the skin.

Observations relevant to classification

No information available.

11.5 Additional information

Toxicological data are not available.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) algae toxicity

Parameter :	EC50 (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)
Species :	Daphnia magna (Big water flea)
Evaluation parameter :	Acute (short-term) daphnia toxicity
Effective dose :	4,6 mg/l
Exposure time :	48 h
Parameter :	EC50 (HYDROCARBONS, C7-C9, N-ALKANES, ALKANES, CYCLICS)