



Safety Data Sheet dated 6/5/2019, version 16

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

1.1. Product identifier

Mixture identification:

Trade name: SVITOL SPRAY ML 400

Trade code: 7623

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

Recommended use:

spray lubricant

1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.

via Antica di Cassano, 23, 20063

Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Centro Antiveleni di Pavia IRCCS- Fondazione Maugeri tel. +39 (0)382 24444 (h24; it, en)

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: Beaumont Hospital - National Poisons Information Centre 01 809 2166 (7days, 8:00 - 22:00)

In South Africa: Poison Information Helpline 0861 555 777

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Warning, Aerosols 2, Flammable aerosol. Pressurized container: may burst if heated.

⚠ Warning, STOT SE 3, May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H223+H229 Flammable aerosol. Pressurized container: may burst if heated.

H336 May cause drowsiness or dizziness.

Precautionary statements:

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

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P271 Use only outdoors or in a well-ventilated area.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

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

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

Regulation (EC) nr 648/2004 (detergents).

Product contents:

Aliphatic hydrocarbons > 30 %

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

>= 60% - < 70% Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

REACH No.: 01-2119463258-33, CAS: 64742-48-9, EC: 919-857-5

⚠ 2.6/3 Flam. Liq. 3 H226

⚠ 3.10/1 Asp. Tox. 1 H304

⚠ 3.8/3 STOT SE 3 H336

EUH066

DECLP (CLP)*

>= 3% - < 5% Diossido di carbonio liquido refrigerato

CAS: 124-38-9, EC: 204-696-9

⚠ 2.5/RL Press. Gas (Ref. Liq.) H281

>= 1% - < 2% Benzenesulfonic acid , mono-C16-24-alkyl derivs, calcium salts

CAS: 70024-69-0, EC: 274-263-7

⚠ 3.3/2 Eye Irrit. 2 H319

>= 0,5% - < 1% Minearal oil

REACH No.: 01-2119484627-25, CAS: 64742-54-7, EC: 265-157-1

⚠ 3.10/1 Asp. Tox. 1 H304

DECLL (CLP)*

>= 0,25% - < 0,5% Zinc, bis[O,O-bi(2-ethylhexyl)phosphorodithioato-S,S']-,(T4)-

REACH No.: 01-2119493635-27, CAS: 4259-15-8, EC: 224-235-5

⚠ 4.1/C2 Aquatic Chronic 2 H411

⚠ 3.3/1 Eye Dam. 1 H318

>= 0,1% - < 0,25% Mineral oil - mixture -

REACH No.: 01-2119487077-29, EC: 265-158-7

⚠ 3.10/1 Asp. Tox. 1 H304

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- >= 0,1% - < 0,25% 2,6-di-tert-butylphenol
REACH No.: 01-2119490822-33, CAS: 128-39-2, EC: 204-884-0
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 4.1/A1 Aquatic Acute 1 H400
⚠ 4.1/C1 Aquatic Chronic 1 H410
- >= 0,02% - < 0,05% Triphenyl phosphite
REACH No.: 01-2119511213-58, CAS: 101-02-0, EC: 202-908-4
⚠ 3.1/4/Oral Acute Tox. 4 H302
⚠ 4.1/A1 Aquatic Acute 1 H400
⚠ 4.1/C1 Aquatic Chronic 1 H410
⚠ 3.3/2 Eye Irrit. 2 H319
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.4.2/1 Skin Sens. 1 H317
- >= 0,02% - < 0,05% 2-Ethylhexan-1-ol
REACH No.: 01-2119487289-20, CAS: 104-76-7, EC: 203-234-3
⚠ 3.1/4/Inhal Acute Tox. 4 H332
⚠ 3.2/2 Skin Irrit. 2 H315
⚠ 3.3/2 Eye Irrit. 2 H319
⚠ 3.8/3 STOT SE 3 H335

*DECLP (CLP): Substance classified in accordance with Note P, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (Einecs No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262-P301 + P310-P331 shall apply. This note applies only to certain complex oil-derived substances in Part 3.

*DECLL (CLP): Substance classified in accordance with Note L, Annex VI of EC Regulation (EC) 1272/2008. The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:



None

SECTION 5: Firefighting measures

- 5.1. Extinguishing media
 - Appropriate Extinguishing Media:
 - To carbon dioxide.
 - To dust.
 - Foam
 - Water spray.
 - Not Recommended Extinguishing Media:
 - Do not use direct water jets.
- 5.2. Special hazards arising from the substance or mixture
 - Do not inhale explosion and combustion gases.
 - Burning produces heavy smoke.
- 5.3. Advice for firefighters
 - Use suitable breathing apparatus .
 - 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.

SECTION 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures
 - Wear personal protection equipment.
 - Remove all sources of ignition.
 - Remove persons to safety.
 - See protective measures under point 7 and 8.
- 6.2. Environmental precautions
 - Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
 - Retain contaminated washing water and dispose it.
 - In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
 - Suitable material for taking up: absorbing material, organic, sand
- 6.3. Methods and material for containment and cleaning up
 - Wash with plenty of water.
- 6.4. Reference to other sections
 - See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
 - Avoid contact with skin and eyes, inhalation of vapours and mists.
 - Don't use empty container before they have been cleaned.
 - Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
 - Contaminated clothing should be changed before entering eating areas.
 - Do not eat or drink while working.
 - See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities
 - Store at below 50 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
 - Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
 - Keep away from food, drink and feed.
 - None in particular.
 - Instructions as regards storage premises:
 - Cool and adequately ventilated.
- 7.3. Specific end use(s)

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None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics - CAS: 64742-48-9
ACGIH - TWA: 1200 mg/m³, 197 ppm

Diossido di carbonio liquido refrigerato - CAS: 124-38-9

EU - TWA(8h): 9000 mg/m³, 5000 ppm

ACGIH - TWA(8h): 5000 ppm - STEL: 30000 ppm - Notes: Asphyxia

Mineral oil - CAS: 64742-54-7

EU - TWA: 5 mg/m³

Mineral oil - mixture -

EU - TWA(8h): 5 mg/m³

2-Ethylhexan-1-ol - CAS: 104-76-7

EU - TWA(8h): 5.4 mg/m³, 1 ppm

DNEL Exposure Limit Values

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics - CAS: 64742-48-9

Worker Professional: 208 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 871 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 125 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 185 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 125 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Eye glasses with side protection.

Compliant with EN 166

Protection for skin:

protective clothing

Protection for hands:

Nitrile or Viton gloves.

Compliant with EN 374.

Respiratory protection:

Half-mask with integrated filters (EN 405)

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Liquid sotto pressione (Aerosol)	--	--
Odour:	Characteristic	--	--

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Odour threshold:	N.A.	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	> 150 °C (fase liquida)	--	--
Flash point:	44,5°C (fase liquida)	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	0.830 g/cm3	--	--
Solubility in water:	Insoluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

NA=not applicable



SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
- 10.6. Hazardous decomposition products
Thermal decomposition or combustion may generate fumes, carbon monoxide, carbon dioxide, sulphur oxides, mercaptans, sulphides, including sulphuric acid and other incomplete combustion products.
Thermal decomposition can generate phosphorus oxides and other compounds containing phosphorus.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

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a) acute toxicity

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Based on available data, the classification criteria are not met

f) carcinogenicity

Based on available data, the classification criteria are not met

g) reproductive toxicity

Based on available data, the classification criteria are not met

h) STOT-single exposure

The product is classified: STOT SE 3 H336

i) STOT-repeated exposure

Based on available data, the classification criteria are not met

j) aspiration hazard

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics - CAS: 64742-48-9

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 4951 mg/m³ - Duration: 4h - Source:

ECHA BP - SUPPLIER SDS

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- Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: ECHA BP - SUPPLIER SDS
- Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Source: ECHA BP - SUPPLIER SDS
- h) STOT-single exposure:
Test: May cause drowsiness and dizziness. Positive - Source: SUPPLIER SDS - No data available for the product
- i) STOT-repeated exposure:
Test: OECD 422 Negative - Source: SUPPLIER SDS
Test: NOAEL - Route: Oral - Species: Rat > 1000 mg/kg - Source: ECHA BP
Test: NOAEL - Route: Inhalation - Species: Rat 200 Ppm - Source: ECHA BP
Test: NOAEC - Route: Inhalation - Species: Rat > 275 mg/m³ - Source: ECHA BP
- j) aspiration hazard:
Test: May be fatal if swallowed and enters airways (physical-chemical properties) - Route: Oral - Source: SUPPLIER SDS
- Mineral oil - CAS: 64742-54-7
- f) carcinogenicity:
Negative
- h) STOT-single exposure:
Test: Respiratory Tract Irritant Positive
- j) aspiration hazard:
Test: May be fatal if swallowed and enters airways (physical-chemical properties) Positive
- Mineral oil - mixture -
- h) STOT-single exposure:
Test: Respiratory Tract Irritant Positive
- 2,6-di-tert-butylphenol - CAS: 128-39-2
- h) STOT-single exposure:
Test: Respiratory Tract Irritant Positive
- i) STOT-repeated exposure:
Test: oecd 16 - Route: Oral - Species: Rat Positive
- Triphenyl phosphite - CAS: 101-02-0
- e) germ cell mutagenicity:
Test: Mutagenesis Negative
- 2-Ethylhexan-1-ol - CAS: 104-76-7
- d) respiratory or skin sensitisation:
Test: Skin Sensitization Negative
- e) germ cell mutagenicity:
Test: Mutagenesis Negative
- g) reproductive toxicity:
Test: Reproductive Toxicity - Route: Skin - Species: Rat Negative
- h) STOT-single exposure:
Test: Respiratory Tract Irritant Positive
- i) STOT-repeated exposure:
Test: oecd 16 - Route: Skin - Species: Rat Positive

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics - CAS: 64742-48-9

a) Aquatic acute toxicity:

Endpoint: EL0 - Species: Daphnia 1000 mg/l - Duration h: 48

Endpoint: EL50 - Species: Algae > 1000 mg/l - Duration h: 72

Endpoint: LL50 - Species: Fish > 1000 mg/l - Duration h: 96

Endpoint: NOELR - Species: Algae 100 mg/l - Duration h: 72

Mineral oil - CAS: 64742-54-7

a) Aquatic acute toxicity:

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Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 10000 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia > 10 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia > 10 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 96

Zinc, bis[O,O-bi(2-ethylhexyl)phosphorodithioato-S,S']-,(T4)- - CAS: 4259-15-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 4.4 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 75 mg/l - Duration h: 48
Endpoint: NOEC - Species: Daphnia = 32 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia > 0.8 mg/l - Duration h: 504
Endpoint: NOEC - Species: Daphnia = 0.4 mg/l - Duration h: 504
Endpoint: EC50 - Species: Algae = 410 mg/l - Duration h: 72

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 3.2 mg/l - Duration h: 96
Endpoint: NOEC - Species: Algae = 220 mg/l - Duration h: 72

c) Bacteria toxicity:

Endpoint: EC50 - Species: batteri = 380 mg/l - Duration h: 2.4

Mineral oil - mixture -

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 10000 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia > 10 mg/l - Duration h: 504
Endpoint: NOEC - Species: Daphnia > 10 mg/l - Duration h: 504
Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72

2,6-di-tert-butylphenol - CAS: 128-39-2

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 1.4 mg/l - Duration h: 96
Endpoint: LC50 - Species: Fish 13 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 0.45 mg/l - Duration h: 48
Endpoint: EC50 - Species: Daphnia 0.8 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 3.6 mg/l - Duration h: 72

c) Bacteria toxicity:

Endpoint: EC50 - Species: fanghi > 1000 mg/l - Duration h: 2.4

Triphenyl phosphite - CAS: 101-02-0

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 0.94 mg/l - Duration h: 48

2-Ethylhexan-1-ol - CAS: 104-76-7

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 28.2 mg/l - Duration h: 96
Endpoint: NOEC - Species: Fish 14 mg/l - Duration h: 96
Endpoint: LC50 - Species: Fish 17.1 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia 39 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae 16.6 mg/l - Duration h: 72

c) Bacteria toxicity:

Endpoint: EC50 - Species: fanghi 540 mg/l - Duration h: 2.4
Endpoint: EC50 - Species: fanghi > 100 mg/l - Duration h: 12

12.2. Persistence and degradability

None

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Biodegradability: 4 - %: 86.7 - Notes: CEC L-33-T-82

Mineral oil - CAS: 64742-54-7

Test: BIOGDG06 - Duration: 28gg - %: 31

Zinc, bis[O,O-bi(2-ethylhexyl)phosphorodithioato-S,S']-,(T4)- - CAS: 4259-15-8

Test: BIOGDG08 - Duration: 28gg - %: 5

Mineral oil - mixture -

Test: BIOGDG06 - Duration: 28gg - %: 31

2,6-di-tert-butylphenol - CAS: 128-39-2

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- Test: BIOGDG06 - Duration: 28gg - %: 5
Triphenyl phosphite - CAS: 101-02-0
Test: BIOGDG08 - Duration: 28gg - %: 4
2-Ethylhexan-1-ol - CAS: 104-76-7
Test: BIOGDG07 - Duration: 28gg - %: 95
Test: BIOGDG09 - Duration: 28gg - %: 100
- 12.3. Bioaccumulative potential
2,6-di-tert-butylphenol - CAS: 128-39-2
Test: Kow - Partition coefficient 4.5
Triphenyl phosphite - CAS: 101-02-0
Test: Kow - Partition coefficient 6.62
2-Ethylhexan-1-ol - CAS: 104-76-7
Test: BCF - Bioconcentration factor 25.35
Test: Kow - Partition coefficient 2.9
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information



- 14.1. UN number
ADR-UN Number: 1950
IATA-UN Number: 1950
IMDG-UN Number: 1950
- 14.2. UN proper shipping name
ADR-Shipping Name: AEROSOLS
IATA-Shipping Name: AEROSOLS
IMDG-Shipping Name: AEROSOLS
- 14.3. Transport hazard class(es)
ADR-Class: 2
ADR - Hazard identification number: -
IATA-Class: 2
IATA-Label: 2.1
IMDG-Class: 2
Sea (IMO): 2 UN 1950
- 14.4. Packing group
ADR-Packing Group: -
IATA-Packing group: -
IMDG-Packing group: -
- 14.5. Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No
- 14.6. Special precautions for user
ADR-Subsidiary risks: See SP63

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ADR-S.P.: 190 327 344 625
ADR-Transport category (Tunnel restriction code): 2 (D)
IATA-Passenger Aircraft: 203
IATA-Subsidiary risks: See SP63
IATA-Cargo Aircraft: 203
IATA-S.P.: A145 A167 A802
IATA-ERG: 10L
IMDG-EmS: F-D,
S-U
IMDG-Subsidiary risks: See SP63
IMDG-Stowage and handling: SW1 SW22
IMDG-Segregation: SG69

- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No
Limited Quantity: 1 L
Exempted Quantity: E0

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3
Restriction 40

Restrictions related to the substances contained:
No restriction.

Volatile Organic compounds - VOCs = 72.78 %
Volatile Organic compounds - VOCs = 727.83 g/Kg
Volatile Organic compounds - VOCs = 604.09 g/l

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1
Product belongs to category: P3b

- 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

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None

SECTION 16: Other information

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

H281 Contains refrigerated gas; may cause cryogenic burns or injury.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H318 Causes serious eye damage.

H315 Causes skin irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

Hazard class and hazard category	Code	Description
Aerosols 2	2.3/2	Aerosol, Category 2
Press. Gas (Ref. Liq.)	2.5/RL	Gases under pressure (Refrigerated liquefied gas)
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2

Paragraphs modified from the previous revision:

SECTION 15: Regulatory information

Safety Data Sheet

SVITOL SPRAY ML 400



Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Aerosols 2, H223+H229	On basis of test data
STOT SE 3, H336	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NA:	Not applicable
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.