

Safety Data Sheet

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



Trade name : SC 100
Revision date : 05.12.2024
Print date : 05.12.2024

Version (Revision) : 5.0.0 (4.1.1)

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

1.1 Product identifier

SC 100
Unique Formula Identifier : KSC0-H0AM-A002-FVXK

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

Relevant identified uses

PC 35 - Washing and cleaning products

Sectors of use [SU]

Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Industrial uses

1.3 Details of the supplier of the safety data sheet

Supplier

Bio-Circle Surface Technology AG

Street : Aahusweg 16

Postal code/City : 6403 Küssnacht am Rigi

Telephone : 0041 41 878 1166

Telefax : 0041 41 878 1347

Information contact : accounting@bio-circle.ch

1.4 Emergency telephone number

+41 (0)442515151
Schweizerisches Toxikologisches Informationszentrum, 145

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.
Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.
Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.
Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.
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 Acute 1 ; H400 - Hazardous to the aquatic environment : Acute 1 ; Very toxic to aquatic life.
Aquatic Chronic 1 ; H410 - Hazardous to the aquatic environment : Chronic 1 ; Very toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms



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

Signal word

Danger

Hazard components for labelling

ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6

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PROPAN-2-OL ; CAS No. : 67-63-0

Hazard statements

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P331 Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor/... if you feel unwell.
P370+P378 In case of fire: Use foam to extinguish.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

ORANGE, SWEET, EXT. ; REACH No. : 01-2119493353-35-XXXX ; EC No. : 232-433-8 ; CAS No. : 8028-48-6
Weight fraction : $\geq 40 - < 60$ %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

PROPAN-2-OL ; REACH No. : 01-2119457558-25-XXXX ; EC No. : 200-661-7 ; CAS No. : 67-63-0
Weight fraction : $\geq 40 - < 60$ %
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

Further ingredients

Part of the orange peel extract: D-LIMONENE ; REACH No. : 01-2119529223-47-XXXX ; EC No. : 227-813-5 ; CAS No. : 5989-27-5
Weight fraction : < 60 %

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Remove contaminated, saturated clothing immediately.

Following inhalation

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

In case of skin contact

In case of skin irritation, consult a physician. After contact with skin, wash immediately with plenty of water and soap. Rub greasy ointment into the skin.

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After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

Following ingestion

Rinse mouth thoroughly with water. Let 1 glass of water be drunken in little sips (dilution effect). Do NOT induce vomiting. Call a physician immediately.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Vapours may cause drowsiness and dizziness. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water Foam Extinguishing powder Carbon dioxide (CO₂) Sand Nitrogen Extinguishing blanket

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

H225 - Highly flammable liquid and vapour.

Hazardous combustion products

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

5.3 Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers. Apply foam in abundant quantities since some of it gets destroyed by the product. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4 Additional information

Burning produces heavy smoke. Move undamaged containers from immediate hazard area if it can be done safely. Coordinate 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. Provide adequate ventilation.

6.2 Environmental precautions

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

6.3 Methods and material for containment and cleaning up

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

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

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7.1 Precautions for safe handling

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Do not breathe gas/fumes/vapour/spray. Keep container tightly closed. Provide adequate ventilation as well as local exhaustion at critical locations.

7.2 Conditions for safe storage, including any incompatibilities

Keep locked up. Ensure adequate ventilation of the storage area. Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Keep away from

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

7.3 Specific end use(s)

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

(R)-P-MENTHA-1,8-DIENE ; CAS No. : 5989-27-5

Limit value type (country of origin) : KZGW (CH)

Limit value : 14 ppm / 80 mg/m³

Remark : S; SSc

Version : 09.03.2021

Limit value type (country of origin) : MAK (CH)

Limit value : 7 ppm / 40 mg/m³

Remark : S; SSc

Version : 09.03.2021

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : BAT (CH)

Parameter : Acetone / Urine (U) / End of exposure or end of shift

Limit value : 25 mg/l / 0,4 mmol/L

Version : 02.01.2023

Limit value type (country of origin) : BAT (CH)

Parameter : Acetone / Whole blood (B) / End of exposure or end of shift

Limit value : 25 mg/l / 0,4 mmol/L

Version : 02.01.2023

Limit value type (country of origin) : KZGW (CH)

Limit value : 400 ppm / 1000 mg/m³

Remark : SSc; B

Version : 09.03.2021

Limit value type (country of origin) : MAK (CH)

Limit value : 200 ppm / 500 mg/m³

Remark : SSc; B

Version : 09.03.2021

DNEL-/PNEC-values

DNEL/DMEL

ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6

Limit value type : DNEL Consumer (local)

Exposure route : Dermal

Exposure frequency : Short-term

Limit value : 92,9 µg/cm²

Limit value type : DNEL Consumer (systemic)

Exposure route : Inhalation

Exposure frequency : Long-term

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Limit value : 7,78 mg/m³
PROPAN-2-OL ; CAS No. : 67-63-0
Limit value type : DNEL Consumer (systemic)
Exposure route : Oral
Exposure frequency : Long-term
Limit value : 26 mg/kg bw/day
Limit value type : DNEL Consumer (systemic)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 319 mg/kg bw/day
ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6
Limit value type : DNEL Consumer (systemic)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 4,44 mg/kg bw
Limit value type : DNEL Consumer (systemic)
Exposure route : Oral
Exposure frequency : Long-term
Limit value : 4,44 mg/kg bw
PROPAN-2-OL ; CAS No. : 67-63-0
Limit value type : DNEL Consumer (systemic)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 89 mg/m³
ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6
Limit value type : DNEL worker (local)
Exposure route : Dermal
Exposure frequency : Short-term
Limit value : 185,8 µg/cm²
Limit value type : DNEL worker (systemic)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 31,1 mg/m³
PROPAN-2-OL ; CAS No. : 67-63-0
Limit value type : DNEL worker (systemic)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 500 mg/m³
Limit value type : DNEL worker (systemic)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 888 mg/kg bw/day
ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6
Limit value type : DNEL worker (systemic)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 8,89 mg/kg

PNEC

ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6
Limit value type : PNEC (Aquatic, freshwater)
Limit value : 5,4 µg/l
Limit value type : PNEC (Aquatic, intermittent release)
Limit value : 5,77 µg/l
Limit value type : PNEC (Aquatic, marine water)
Limit value : 0,54 µg/l
Limit value type : PNEC (Sediment, freshwater)

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Limit value :	1,3 mg/kg dw
Limit value type :	PNEC (Sediment, marine water)
Limit value :	0,13 mg/kg dw
Limit value type :	PNEC (Soil)
Limit value :	0,261 mg/kg dw
Limit value type :	PNEC (Sewage treatment plant)
Limit value :	2,1 mg/l
PROPAN-2-OL ; CAS No. : 67-63-0	
Limit value type :	PNEC (Aquatic, freshwater)
Limit value :	140,9 mg/l
Limit value type :	PNEC (Aquatic, intermittent release)
Limit value :	140,9 mg/l
Limit value type :	PNEC (Aquatic, marine water)
Limit value :	140,9 mg/l
Limit value type :	PNEC (Sediment, freshwater)
Limit value :	552 mg/kg dw
Limit value type :	PNEC (Sediment, marine water)
Limit value :	552 mg/kg dw
Limit value type :	PNEC (Soil)
Limit value :	28 mg/kg
Limit value type :	PNEC (Sewage treatment plant)
Exposure route :	Water (Including sewage plant)
Limit value :	2251 mg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection



Wear suitable safety goggles in case of splash.

Suitable eye protection
EN 166.

Skin protection

Hand protection



Suitable gloves type : EN 374.
Suitable material : Butyl caoutchouc (butyl rubber)
Breakthrough time : 480 min.
Thickness of the glove material : 0.3 mm.

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.

Respiratory protection



Respiratory protection necessary at: exceeding exposure limit values

Suitable respiratory protection apparatus

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Combination filtering device
Filter type: A

Remark

Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

General information

P264 - Wash hands thoroughly after handling. Do not put any product-impregnated cleaning rags into your trouser pockets. Wash contaminated clothing prior to re-use. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing immediately. Do not put any product-impregnated cleaning rags into your trouser pockets.

8.3 Additional information

No tests have been performed. Selection made for preparations according to the best available knowledge and information on ingredients. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid

Colour : colourless

Odour

like: Isopropanol , fruity , sweetish

Safety characteristics

Solidifying point :	(1013 hPa)		-80	°C	
Initial boiling point and boiling range :	(1013 hPa)	approx.	75	°C	
Flash point :		approx.	12	°C	DIN EN ISO 13736
Auto-ignition temperature :	(D-LIMONENE)		237	°C	Literature value
Flammability :			flammable		
Lower explosion limit :	(D-LIMONENE)		0,7	Vol-%	Literature value
Lower explosion limit :	(PROPAN-2-OL)		2	Vol-%	Literature value
Upper explosion limit :	(D-LIMONENE)		6,1	Vol-%	Literature value
Upper explosion limit :	(PROPAN-2-OL)		12	Vol-%	Literature value
Density :	(20 °C)	approx.	0,8	g/cm ³	
Water solubility :	(20 °C)		partially soluble		
pH :	(20 °C)		not applicable		
Cinematic viscosity :	(20 °C)	<	40	mm ² /s	
Relative vapour density :	(20 °C)		not determined		
Maximum VOC content (EC) :			100	Weight-%	
Maximum VOC content (Switzerland) :			100	Weight-%	
Taxable VOC content (Switzerland) :			100	Weight-%	

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

Violent reaction with: Oxidising agent, strong. Formation of: Peroxides.

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

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H225 - Highly flammable liquid and vapour.

10.4 Conditions to avoid

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

10.5 Incompatible materials

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.6 Hazardous decomposition products

Does not decompose when used for intended uses.
Decomposition products in case of fire: see section 5.

SECTION 11: Toxicological information

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

Acute toxicity

Acute oral toxicity

Parameter :	ATEmix
Exposure route :	Oral
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Method :	OECD 401
Parameter :	LD50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Method :	OECD 401

Acute dermal toxicity

Parameter :	ATEmix
Exposure route :	Dermal
Effective dose :	> 2000 mg/kg
Parameter :	LD50 (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg
Method :	OECD 402
Parameter :	LD50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg

Acute inhalation toxicity

Parameter :	ATEmix
Exposure route :	Inhalation
Effective dose :	> 20000 ppmV
Parameter :	LC50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 10000 ppm
Exposure time :	6 h
Method :	OECD 403

Corrosion

Skin corrosion/irritation

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Parameter : Skin corrosion/irritation (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Result : Irritant
Causes skin irritation.

Serious eye damage/eye irritation

Parameter : Serious eye damage/eye irritation (PROPAN-2-OL ; CAS No. : 67-63-0)
Species : Rabbit
Result : Causes serious eye irritation
Method : OECD 405
Causes serious eye irritation.

Respiratory or skin sensitisation

Skin sensitisation

Parameter : Skin sensitisation (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Species : Mouse
Result : Sensitising.
Method : OECD 429
May cause an allergic skin reaction.

Sensitisation to the respiratory tract

No further relevant information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No further relevant information available.

Germ cell mutagenicity

No further relevant information available.

Reproductive toxicity

No further relevant information available.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

No further relevant information available.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

Toxicokinetics, metabolism and distribution

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

Other adverse effects

May be absorbed through the skin. Frequently or prolonged contact with skin may cause dermal irritation. Has degreasing effect on the skin.

Additional information

Preparation not tested. The statement is derived from the properties of the single components.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Species : Pimephales promelas (fathead minnow)
Evaluation parameter : Acute (short-term) fish toxicity

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Effective dose : 9640 mg/l
Exposure time : 96 h
Method : OECD 203
Parameter : NOELR (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Species : Danio rerio (zebrafish)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 4 mg/l
Exposure time : 96 h
Method : OECD 203
Parameter : LL50 (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Species : Danio rerio (zebrafish)
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 5,65 mg/l
Exposure time : 96 h
Method : OECD 203

Acute (short-term) toxicity to crustacea

Parameter : EC50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) toxicity to crustacea
Effective dose : 9714 mg/l
Exposure time : 24 h
Method : OECD 202
Parameter : NOELR (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) toxicity to crustacea
Effective dose : 0,48 mg/l
Exposure time : 48 h
Method : OECD 202
Parameter : LC50 (PROPAN-2-OL ; CAS No. : 67-63-0)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) toxicity to crustacea
Effective dose : > 10000 mg/l
Exposure time : 24 h
Method : OECD 202
Parameter : EL50 (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Species : Daphnia magna (Big water flea)
Evaluation parameter : Acute (short-term) toxicity to crustacea
Effective dose : 1,1 mg/l
Exposure time : 48 h
Method : OECD 202

Acute (short-term) toxicity to algae and cyanobacteria

Parameter : NOELR (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Species : Desmodesmus subspicatus
Evaluation parameter : Inhibition of growth rate
Effective dose : 50 mg/l
Exposure time : 72 h
Method : OECD 201
Parameter : EL50 (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Species : Desmodesmus subspicatus
Evaluation parameter : Inhibition of growth rate
Effective dose : 150 mg/l
Exposure time : 72 h
Method : OECD 201

12.2 Persistence and degradability

Biodegradation

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Parameter : Biodegradation (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Inoculum : Biodegradation
Evaluation parameter : Aerobic
Degradation rate : >= 60 %
Test duration : 28 D
Parameter : BOD (% of COD) (PROPAN-2-OL ; CAS No. : 67-63-0)
Inoculum : Biodegradation
Evaluation parameter : Aerobic
Degradation rate : 53 %
Test duration : 5 D
Evaluation : Readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

Parameter : Log KOW (ORANGE, SWEET, EXT. ; CAS No. : 8028-48-6)
Value : 2,78 - 4,88
Parameter : Log KOW (PROPAN-2-OL ; CAS No. : 67-63-0)
Value : 0,05
25 °C

No indication of bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No information available.

12.8 Additional ecotoxicological information

P273 - Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Ordinance on the avoidance and disposal of waste (ADWO) SR 814.600.

Before intended use

Waste code according to the lists for the movement of waste

20 01 29S (Detergents containing hazardous substances)
07 06 04S (Other organic solvents, washing liquids and mother liquors)

Other disposal recommendations

P501 - Dispose of contents/container to industrial incineration plant.
Dispose of waste according to applicable legislation. Dispose of contents/ container to an approved waste disposal plant. Contaminated packages must be completely emptied and can be re-used following proper cleaning (Water (with cleaning agent)). Handle contaminated packages in the same way as the substance itself.

13.2 Additional information

The allocation of waste identity numbers/waste descriptions must be carried out according to the VVEA, specific to the industry and process.

SECTION 14: Transport information

14.1 UN number

UN 1993

14.2 UN proper shipping name

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Land transport (ADR/RID)

FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL · ORANGE, SWEET, EXT.)

Sea transport (IMDG)

FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL · ORANGE, SWEET, EXT.)

Air transport (ICAO-TI / IATA-DGR)

FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL · ORANGE, SWEET, EXT.)

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 11 · E 2
Hazard label(s) :



Sea transport (IMDG)

Class(es) : 3
EmS-No. : F-E / S-E
Special Provisions : LQ 11 · E 2
Hazard label(s) :



Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3
Special Provisions : E 2
Hazard label(s) :



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 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Safety Data Sheet

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



Trade name : SC 100
Revision date : 05.12.2024
Print date : 05.12.2024

Version (Revision) : 5.0.0 (4.1.1)

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3, 40, 75

Restrictions of occupation

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Other regulations (EU)

Labelling for contents according to regulation (EC) No. 648/2004

> 30 % aliphatic hydrocarbons
Contains the following substances: Limonene

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Other regulations, restrictions and prohibition regulations

Switzerland

Swiss Maternity Protection Ordinance (SR 822.111.52): Pregnant women and nursing mothers are only allowed to get in contact with or be exposed to this preparation in the course of their work when it is established on the basis of a risk assessment by a specialist, that in context with the activities and the protection measures applied, exposure does no harm to mother and child.

Swiss Youth Protection Regulation (ArGV 5; SR 822.115): Young persons up to the age of 18 are not allowed to get in contact with or be exposed to this preparation in the course of their work unless the Federal Office for Professional Education and Technology (BBT) or the State Secretariat for Economic Affairs (SECO) has granted an exception.

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

16.1 Indication of changes

08. Occupational exposure limit values

16.2 Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (Europäisches Übereinkommen über die Beförderung gefährlicher Güter auf der Straße)
AOX: adsorbierbare organisch gebundene Halogene
AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen
CAS: Chemical Abstracts Service (Unterabteilung der American Chemical Society)
CLP: Verordnung (EG) Nr. 1272/2008 über die Einstufung, Kennzeichnung und Verpackung von Stoffen und Gemischen (Classification Labelling and Packaging)
EAK / AVV: europäischer Abfallartenkatalog / Abfallverzeichnis-Verordnung
ECHA: Europäische Chemikalienagentur (European Chemicals Agency)
EINECS: : Altstoffverzeichnis (European Inventory of Existing Commercial Chemical Substances)
GHS: Global harmonisiertes System zur Einstufung und Kennzeichnung von Chemikalien (Globally Harmonized System of Classification and Labelling of Chemicals)
IATA: Internationale Luftverkehrs-Vereinigung (International Air Transport Association)
ICAO: Internationale Zivilluftfahrtorganisation (International Civil Aviation Organization)
IMDG: Gefahrgutkennzeichnung für gefährliche Güter im Seeschiffverkehr (International Maritime Code for Dangerous Goods)
RID: Regelung zur internationalen Beförderung gefährlicher Güter im Schienenverkehr (Règlement concernant le transport international ferroviaire de marchandises dangereuses)
TRGS: Technische Regel für den Umgang mit Gefahrstoffen
VbF: Verordnung über brennbare Flüssigkeiten
VOC: flüchtige organische Verbindung (volatile organic compound)
VVEA: Verordnung über die Vermeidung und die Entsorgung von Abfällen
VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe
WGK: Wassergefährdungsklasse

Safety Data Sheet

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



Trade name : SC 100
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16.3 Key literature references and sources for data

DGUV: GESTIS-Stoffdatenbank
ECHA: Classification And Labelling Inventory
ECHA: Pre-registered Substances
ECHA: Registered Substances
EC_Safety Data Sheet of Suppliers
ESIS: European Chemical Substances Information System
GDL: Gefahrstoffdatenbank der Länder
UBA Rigoletto: Wassergefährdende Stoffe
Regulation (EC) No. 1907/2006 of the European Parliament and of the Council
|-> COMMISSION REGULATION (EU) 2020/878 of 18 June 2020
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
Evaluation :
Flam. Liq. 2 : Flash point (°C) EN ISO 13736
Skin Irrit. 2 : Calculation method.
Eye Irrit. 2 : Calculation method.
Skin Sens. 1 : Calculation method.
STOT SE 3 : Calculation method.
Asp. Tox. 1 : Calculation method.
Aquatic Acute 1 : Calculation method.
Aquatic Chronic 1 : Calculation method.

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

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.