

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code: 411 00 15940-3280
Product name: LEATHER AND SKY CLEANER

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

Intended use: Cleaner for fabrics, leather and skay

1.3. Details of the supplier of the safety data sheet

Name: Meccanocar Italia S.r.l.
Full address: Via San Francesco, 22
District and Country: 56033 Capannoli (PI)
Italy

Tel. +39 0587 609433

Fax +39 0587 607145

e-mail address of the competent person

responsible for the Safety Data Sheet: moreno.meini@meccanocar.it

Product distribution by:

1.4. Emergency telephone number

For urgent inquiries refer to

National Poisons Information Service: +44 121 507 4123

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Skin corrosion, category 1A	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

LEATHER AND SKY CLEANER

Hazard pictograms:



Signal words: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains: (R)-P-MENTHA-1,8-DIENE
 May produce an allergic reaction.

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.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P280 Wear protective gloves/ protective clothing / eye protection / face protection.
P102 Keep out of reach of children.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P501 Dispose of contents / container in accordance with local dispositions

Contains: SODIUM HYDROXIDE
 ALCOHOLS, C8-10, ETHOXYLATES
 UNDECANOL, BRANCHED AND LINEAR, ETOXYLATE-PROPOSSYLATE
 SODIUM 2-ETHYLESYL SULPHATE

Ingredients compliant with Regulation (EC) Nr. 648/2004

Less than 5%: phosphates, phosphonates, anionic surfactants, non-ionic surfactants, perfume, limonene

2.3. Other hazardsOn the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.**SECTION 3. Composition/information on ingredients****3.2. Mixtures**

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
2-BUTOXYETHANOL		
CAS 111-76-2	$4,5 \leq x < 5$	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Irrit. 2 H315
EC 203-905-0		
INDEX 603-014-00-0		

LEATHER AND SKY CLEANER

Reg. no. 01-2119475108-36-XXXX

UNDECANOL, BRANCHED AND LINEAR, ETOXYLATE-PROPOSSYLATECAS - $2 \leq x < 2,5$ Acute Tox. 4 H302, Eye Dam. 1 H318

EC 940-634-3

INDEX -

SODIUM 2-ETHYLESYL SULPHATECAS 126-92-1 $2 \leq x < 2,5$ Eye Dam. 1 H318, Skin Irrit. 2 H315

EC 204-812-8

INDEX -

Reg. no. 01-2119971586-23-XXXX

TETRASODIUM (1-HYDROXYETHYLIDENE) BIPHOSPHONATECAS 3794-83-0 $2 \leq x < 2,5$ Acute Tox. 4 H302, Eye Irrit. 2 H319

EC 223-267-7

INDEX -

Reg. no. 01-2119510382-52-XXXX

SODIUM HYDROXIDECAS 1310-73-2 $0,809 \leq x < 0,909$ Skin Corr. 1A H314, Eye Dam. 1 H318

EC 215-185-5

INDEX 011-002-00-6

Reg. no. 01-2119457892-27-XXXX

(R)-P-MENTHA-1,8-DIENECAS 5989-27-5 $0,354 \leq x < 0,404$ Flam. Liq. 3 H226, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 1 H410 M=1, Classification note/notes according to Annex VI to the CLP Regulation: C

EC 227-813-5

INDEX 601-029-00-7

Reg. no. 01-2119529223-47-XXXX

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures**4.1. Description of first aid measures**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

LEATHER AND SKY CLEANER

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP	España	Límites de exposición profesional para agentes químicos en España 2019
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2020

2-BUTOXYETHANOL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m ³	ppm	mg/m ³	ppm	
VLA	ESP	98	20	245	50	SKIN
VLEP	FRA	49	10	246	50	SKIN
VLEP	ITA	98	20	246	50	SKIN
TLV	NOR	50	10			SKIN
VLE	PRT	98	20	246	50	SKIN
WEL	GBR	123	25	246	50	SKIN
OEL	EU	98	20	246	50	SKIN
TLV-ACGIH		97	20			
Predicted no-effect concentration - PNEC						
Normal value in fresh water				8,8		mg/l
Normal value in marine water				0,88		mg/l
Normal value for fresh water sediment				34,6		mg/kg
Normal value for marine water sediment				3,46		mg/kg
Normal value of STP microorganisms				463		mg/l
Normal value for the food chain (secondary poisoning)				0,02		mg/kg

LEATHER AND SKY CLEANER

Normal value for the terrestrial compartment 2,33 mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		26,7 mg/kg bw/d		6,3 mg/kg bw/d				
Inhalation	147 mg/m3	426 mg/m3		59 mg/m3	246 mg/m3			98 mg/m3
Skin		89 mg/kg/d		75 mg/kg bw/d		89 mg/kg bw/d		125 mg/kg bw/d

TETRASODIUM (1-HYDROXYETHYLIDENE) BIPHOSPHONATE

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,096	mg/l
Normal value in marine water	0,01	mg/l
Normal value for fresh water sediment	193	mg/kg
Normal value for marine water sediment	19,3	mg/kg
Normal value of STP microorganisms	58	mg/l
Normal value for the food chain (secondary poisoning)	5,3	mg/kg
Normal value for the terrestrial compartment	14	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				2,4 mg/kg bw/d				
Inhalation			10 mg/m3	4,2 mg/m3			10 mg/m3	16,9 mg/m3
Skin				24 mg/kg bw/d				48 mg/kg bw/d

SODIUM 2-ETHYLESYL SULPHATE

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,136	mg/l
Normal value in marine water	0,014	mg/l
Normal value for fresh water sediment	1,5	mg/kg
Normal value for marine water sediment	0,15	mg/kg
Normal value of STP microorganisms	1,35	mg/l
Normal value for the terrestrial compartment	0,22	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				24 mg/kg bw/d				
Inhalation				85 mg/m3				285 mg/m3
Skin				2440 mg/kg bw/d				4060 mg/kg bw/d

SODIUM HYDROXIDE**Threshold Limit Value**

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	
			mg/m3	ppm

LEATHER AND SKY CLEANER

VLA	ESP	2
VLEP	FRA	2
TLV	NOR	2
WEL	GBR	2
TLV-ACGIH		2 (C)

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation				1 mg/m3				1 mg/m3

(R)-P-MENTHA-1,8-DIENE**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	168	30			SKIN
TLV	NOR	140	25			

Predicted no-effect concentration - PNEC

Normal value in fresh water	1,4	mg/l
Normal value in marine water	1,4	mg/l
Normal value for fresh water sediment	3,85	mg/kg
Normal value for marine water sediment	0,385	mg/kg
Normal value of STP microorganisms	1,8	mg/l
Normal value for the food chain (secondary poisoning)	133	mg/kg
Normal value for the terrestrial compartment	0,763	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				4,8 mg/kg bw/d				
Inhalation				16,6 mg/m3				66,7 mg/m3
Skin				4,8 mg/kg bw/d				9,5 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category III professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

ALCOHOLS, C8-10, ETHOXYLATES

Suitable are protective gloves with the following specifications. The recommendation is valid for laboratory conditions, specific workplace conditions must be taken into consideration separately.

Suitable materials also with prolonged direct contact (Recommended: protection index 6, corresponding to > 480 minutes of breakthrough time according to EN 374):

natural rubber / natural latex (NR) - coating thickness 0.5 mm

SODIUM 2-ETHYLSYL SULPHATE

Waterproof chemical resistant gloves conforming to an approved standard should always be worn when handling chemicals if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, verify during use that the gloves still retain their protective properties. It should be noted that the time required for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

(R)-P-MENTHA-1,8-DIENE

Chemical resistant protective gloves (standard EN 374-1).

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	liquid
Colour	yellow

LEATHER AND SKY CLEANER

Odour	characteristic
Odour threshold	Not available
pH	13
Melting point / freezing point	< 0 °C
Initial boiling point	100 °C
Boiling range	100 °C
Flash point	> 70 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,07
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

2-BUTOXYETHANOL

Decomposes under the effect of heat.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

SODIUM HYDROXIDE

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

LEATHER AND SKY CLEANER

No hazardous reactions are foreseeable in normal conditions of use and storage.

2-BUTOXYETHANOL

May react dangerously with: aluminium,oxidising agents.Forms peroxides with: air.

SODIUM HYDROXIDE

- Emits hydrogen by reaction with metals.
- Exothermic reaction with strong acids.
- Risk of violent reaction.
- Risk of explosion.
- Reacts violently with water.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

2-BUTOXYETHANOL

Avoid exposure to: sources of heat,naked flames.

High temperatures and sources of ignition. Prolonged exposure with air / oxygen and light.

SODIUM HYDROXIDE

Avoid exposure to: air,moisture,sources of heat.

- Far from direct sunlight.
- To avoid thermal decomposition, do not overheat.
- Exposure to humidity.
- Freezing

(R)-P-MENTHA-1,8-DIENE

Prolonged or excessive heat and / or exposure to air can cause non-hazardous decomposition and / or oxidation of the substance.
Keep away from heat and other causes of fire.

10.5. Incompatible materials

2-BUTOXYETHANOL

Oxidizing agents.

SODIUM HYDROXIDE

Incompatible with: strong acids,ammonia,zinc,lead,aluminium,water,flammable liquids.

Metals, oxidizing agents, water, acids, aluminum, other light metals and their alloys.

(R)-P-MENTHA-1,8-DIENE

Avoid contact with strong acids and strong oxidizing agents.

10.6. Hazardous decomposition products

2-BUTOXYETHANOL

May develop: hydrogen.

Carbon oxides.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:
Not classified (no significant component)
ATE (Oral) of the mixture:
>2000 mg/kg
ATE (Dermal) of the mixture:
Not classified (no significant component)

2-BUTOXYETHANOL

LD50 (Oral) 615 mg/kg Rat

LD50 (Dermal) 405 mg/kg Rabbit

LEATHER AND SKY CLEANER

LC50 (Inhalation) 2,2 mg/l/4h Rat

SODIUM HYDROXIDE

LD50 (Oral) 1350 mg/kg Rat

LD50 (Dermal) 1350 mg/kg Rat

TETRASODIUM (1-HYDROXYETHYLIDENE) BIPHOSPHONATE

LD50 (Oral) 2850 mg/kg Rat(male/female)

2-BUTOXYETHANOL

Method: OECD 401

Reliability: 1

Species: guinea pig (Hartley; male / female)

Route of exposure: Oral

Results: LD50 = 1414 mg / kg bw

Method: CFR title 49, section 173.132

Reliability: 2

Species: Guinea pig (Dunkin-Hartley; male / female)

Route of exposure: Inhalation (vapor)

Results: Not classified

Method: OECD 402

Reliability: 1

Species: guinea pig (Hartley; male / female)

Route of exposure: Dermal

Results: Not classified

SODIUM 2-ETHYLESYL SULPHATE

Method: Equivalent or similar to OECD 401

Reliability: 2

Species: Rat (Tif RAI f; male / female)

Route of exposure: Oral

Results: LD50 = 2840 mg / kg bw

Method: OECD 402-Read across

Reliability: 2

Species: Rat (Wistar; male / female)

Route of exposure: Dermal

Results: LD50> 2000 mg / kg bw

(R)-P-MENTHA-1,8-DIENE

Method: OECD 423

Reliability: 1

Species: Rat (Sprague-Dawley; female)

Route of exposure: Oral

Results: LD50> 2000 mg / kg bw

SKIN CORROSION / IRRITATION

Corrosive for the skin

LEATHER AND SKY CLEANER**2-BUTOXYETHANOL**

Method: EU Method B.4

Reliability: 2

Species: Rabbit (New Zealand white; male / female)

Route of exposure: Dermal

Results: Irritating

Bibliographic reference: Jacobs G, Martens M, Mosselmans G, Proposal of limit concentrations for skin irritation within the context of a new EEC directive on the classification and labeling of preparations. (1987)

SODIUM HYDROXIDE

Method: Not indicated

Reliability: 1

Human species

Route of exposure: Dermal

Results: Irritating

Bibliographic reference: York M, Griffiths E, Whittle E and Basketter DA, Evaluation of a human patch test for the identification and classification of skin irritation potential (1996)

(R)-P-MENTHA-1,8-DIENE

Method: OECD 404

Reliability: 2

Species: Rabbit (albino)

Route of exposure: Dermal

Results: Not irritating

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

2-BUTOXYETHANOL

Method: OECD 405

Reliability: 1

Species: Rabbit (New Zealand white; male / female)

Route of exposure: Ocular

Results: Irritating

SODIUM HYDROXIDE

Method: OECD 405

Reliability: 1

Species: Rabbit (New Zealand White)

Route of exposure: Ocular

Results: Irritating

Bibliographic reference: Jacobs GA, OECD Eye Irritation Tests on Sodium Hydroxide (1992)

(R)-P-MENTHA-1,8-DIENE

Method: OECD 405

Reliability: 2

Species: Rabbit (New Zealand White)

Route of exposure: Ocular

Results: Not irritating

RESPIRATORY OR SKIN SENSITISATION

LEATHER AND SKY CLEANER

May produce an allergic reaction.Contains:(R)-P-MENTHA-1,8-DIENE

2-BUTOXYETHANOL

Method: OECD 406

Reliability: 1

Species: Guinea pig (Dunkin-Hartley; male / female)

Route of exposure: Dermal

Results: Not sensitizing

Method: Equivalent or similar to OECD 474-Test in vivo

Reliability: 1

Species: Mouse (B6C3F1)

Results: Negative

SODIUM 2-ETHYLESYL SULPHATE

Method: Equivalent or similar to OECD 429-Read across

Reliability: 2

Species: Mouse (CBA; female)

Route of exposure: Dermal

Results: Not sensitizing

SODIUM HYDROXIDE

Method: According to the OECD SIDS document for sodium hydroxide

Reliability: 2

Species: Human (male)

Route of exposure: Dermal

Results: Not sensitizing

Bibliographic reference: Park et al., Journal of Dermatological Science, 10, 159-165 (1995).

(R)-P-MENTHA-1,8-DIENE

Method: OECD 429

Reliability: 2

Species: Mouse (CBA / Ca; female)

Route of exposure: Dermal

Results: Sensitizers

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

2-BUTOXYETHANOL

Method: Equivalent or similar to OECD 471 in vitro test

Reliability: 1

Species: S. typhimurium TA 1535

Results: negative

Bibliographic reference:

Method: Equivalent or similar to OECD 474-Test in vivo

Reliability: 1

Species: Mouse (B6C3F1)

Results: Negative

SODIUM 2-ETHYLESYL SULPHATE

Method: Equivalent or similar to OECD 471 in vitro test

Reliability: 2

LEATHER AND SKY CLEANER

Species: *S. typhimurium*
Results: Negative with and without metabolic activation

(R)-P-MENTHA-1,8-DIENE

Method: OECD 471 in vitro test
Reliability: 1
Species: *S. typhimurium*
Results: Negative with and without metabolic activation
Bibliographic reference:
Method: Comet assay (Tice et al., 2000) - in vivo test
Reliability: 2
Species: Rat (OFA Sprague-Dawley; male)
Route of exposure: Oral
Results: Negative

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

SODIUM 2-ETHYLESYL SULPHATE

Method: Equivalent or similar to OECD 453-Read across
Reliability: 2
Species: Rat (Wistar; male / female)
Route of exposure: Oral
Results: Negative

(R)-P-MENTHA-1,8-DIENE

Method: Equivalent or similar to OECD 451
Reliability: 2
Species: Mouse (B6C3F1; male / female)
Route of exposure: Oral
Results: Negative

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

2-BUTOXYETHANOL

Method: Not indicated
Reliability: 1
Species: Mouse (CD-1; male / female)
Route of exposure: Oral
Results: NOAEL = 720 mg / kg bw / day
Bibliographic reference: Heindel JJ, Gulati DK, Russel VS, Reel JR, Lawton AD and Lamb JC, Assessment of Ethylene Glycol Monobutyl and monophenol Ether reproductive toxicity using a continuous breeding protocol in Swiss CD-1 mice (1990).

Adverse effects on sexual function and fertility
(R)-P-MENTHA-1,8-DIENE

Method: Equivalent or similar to OECD 408
Reliability: 2
Species: Mouse (B6C3F1; male / female)
Route of exposure: Oral
Results: Negative. NOAEL (fertility) = 500 mg / kg bw / day.

Adverse effects on development of the offspring

LEATHER AND SKY CLEANER**SODIUM 2-ETHYLESYL SULPHATE**

Method: Equivalent or similar to OECD 414-Read across

Reliability: 2

Species: Rat (Wistar)

Route of exposure: Oral

Results: Positive, NOEL (development) = 250 mg / kg bw / day

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

2-BUTOXYETHANOL

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

ALCOHOLS, C8-10, ETHOXYLATES

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

SODIUM 2-ETHYLESYL SULPHATE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

UNDECANOL, BRANCHED AND LINEAR, ETOXYLATE-PROPOSSYLATE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

SODIUM HYDROXIDE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

(R)-P-MENTHA-1,8-DIENE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

2-BUTOXYETHANOL

Method: Equivalent or similar to OECD 408

Reliability: 1

Species: Rat (Fischer 344; male / female)

Route of exposure: Oral

Results: Negative, NOAEL <69 mg / kg bw

Method: Equivalent or similar to OECD 453

Reliability: 1

Species: Rat (Fischer 344; male / female)

Route of exposure: Inhalation (vapors)

Results: Negative, NOAEC <31 ppm

Method: Equivalent or similar to OECD 411

Reliability: 1

Species: Rabbit (New Zealand White; male / female)

Route of exposure: Dermal

Results: Negative; NOAEL > 150 mg / kg bw / day

LEATHER AND SKY CLEANER

ALCOHOLS, C8-10, ETHOXYLATES

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for prolonged or repeated exposure.

SODIUM 2-ETHYLESYL SULPHATE

Method: Equivalent or similar to OECD 408-Read across

Reliability: 2

Species: Rat (Wistar; male / female)

Route of exposure: Oral

Results: Negative, NOAEL = 488 mg / kg bw / day

Method: Equivalent or similar to OECD 411-Read across

Reliability: 2

Species: Mouse (C57BL; male / female)

Route of exposure: Dermal

Results: Negative, NOAEL = 10%

UNDECANOL, BRANCHED AND LINEAR, ETOXYLATE-PROPOSSYLATE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for prolonged or repeated exposure.

SODIUM HYDROXIDE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for prolonged or repeated exposure.

(R)-P-MENTHA-1,8-DIENE

Method: Equivalent or similar to OECD 409

Reliability: 2

Species: Dog (Beagle; male / female)

Route of exposure: Oral

Results: Negative. NOAEL = 100 mg / kg bw / day

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

(R)-P-MENTHA-1,8-DIENE

LC50 - for Fish

35 mg/l/96h *Oncorhynchus mykiss*

EC50 - for Crustacea

69,6 mg/l/48h *Daphnia pulex*

ALCOHOLS, C8-10, ETHOXYLATES

EC50 - for Algae / Aquatic Plants

3,4 mg/l/72h

LEATHER AND SKY CLEANER

SODIUM 2-ETHYLSYL SULPHATE

EC50 - for Crustacea	483 mg/l/48h
LC10 for Fish	1,357 mg/l/28d
EC10 for Crustacea	1,4 mg/l/28d
EC10 for Algae / Aquatic Plants	199 mg/l/72h
Chronic NOEC for Fish	1,357 mg/l
Chronic NOEC for Crustacea	1,4 mg/l
Chronic NOEC for Algae / Aquatic Plants	199 mg/l

12.2. Persistence and degradability

2-BUTOXYETHANOL

Easily degradable.

ALCOHOLS, C8-10, ETHOXYLATES

Quickly biodegradable, 80-90% in 28 days.

SODIUM 2-ETHYLSYL SULPHATE

Easily degradable in water, 89.3% in 28 days.

(R)-P-MENTHA-1,8-DIENE

Rapidly degradable in water, 71.4% in 28 days.

2-BUTOXYETHANOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

SODIUM HYDROXIDE

Solubility in water > 10000 mg/l

Degradability: information not available

(R)-P-MENTHA-1,8-DIENE

Solubility in water 0,1 - 100 mg/l

Rapidly degradable

12.3. Bioaccumulative potential

2-BUTOXYETHANOL

Partition coefficient: n-octanol/water 0,81

(R)-P-MENTHA-1,8-DIENE

Partition coefficient: n-octanol/water 4,38

BCF 1022

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessmentOn the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.**12.6. Other adverse effects**

LEATHER AND SKY CLEANER

Information not available

SECTION 13. Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

2-BUTOXYETHANOL

Dispose of as hazardous waste. Recover or recycle if possible. Otherwise incineration. Dispose according to local regulations.

SODIUM 2-ETHYLSYL SULPHATE

The generation of waste should be avoided or minimized wherever possible. The disposal of this product, solutions and any by-products must always comply with the environmental protection requirements and the legislation on waste disposal and with the requirements of the local regional authorities. Dispose of excess and non-recyclable products through an authorized waste disposal contractor. Waste should not be disposed of without sewage treatment unless it fully complies with the requirements of all competent authorities.

SODIUM HYDROXIDE

- Dilute with plenty of water.
- Solutions with a high pH value must be neutralized before discharging.
- Neutralize with acid.
- In accordance with local and national regulations.

(R)-P-MENTHA-1,8-DIENE

After a preliminary treatment, the product can be disposed of in a special waste incinerator in accordance with the rules relating to the disposal of special waste. Disposal must be carried out in accordance with local and national regulations.

SECTION 14. Transport information**14.1. UN number**

ADR / RID, IMDG, 1824
IATA:

14.2. UN proper shipping name

ADR / RID: SODIUM HYDROXIDE SOLUTION
IMDG: SODIUM HYDROXIDE SOLUTION
IATA: SODIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8



LEATHER AND SKY CLEANER

IATA: Class: 8 Label: 8

**14.4. Packing group**ADR / RID, IMDG, II
IATA:**14.5. Environmental hazards**ADR / RID: NO
IMDG: NO
IATA: NO**14.6. Special precautions for user**

ADR / RID:	HIN - Kemler: 80	Limited Quantities: 1 L	Tunnel restriction code: (E)
	Special provision: -		
IMDG:	EMS: F-A, S-B	Limited Quantities: 1 L	
IATA:	Cargo:	Maximum quantity: 30 L	Packaging instructions: 855
	Pass.:	Maximum quantity: 1 L	Packaging instructions: 851
	Special provision:	A3, A803	

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

Information not relevant

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006Product

Point 3 - 40

Contained substance

Point	75	2-BUTOXYETHANOL Reg. no.: 01- 2119475108-36- XXXX
-------	----	--

LEATHER AND SKY CLEANER

Point	75	SODIUM HYDROXIDE Reg. no.: 01-2119457892- 27-XXXX
Point	75	ETHYLENDIAMMINO TETRAACETATE OF TETRASODIUM Reg. no.: 01-2119486762- 27-XXXX
Point	75	(R)-P-MENTHA-1,8- DIENE Reg. no.: 01- 2119529223-47- XXXX

Regulation (EC) No. 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3 Flammable liquid, category 3

LEATHER AND SKY CLEANER

Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament

LEATHER AND SKY CLEANER

7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
16. Regulation (EU) 2019/521 (XII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Regulation (EU) 2020/217 (XIV Atp. CLP)

- The Merck Index. - 10th Edition

- Handling Chemical Safety

- INRS - Fiche Toxicologique (toxicological sheet)

- Patty - Industrial Hygiene and Toxicology

- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

- IFA GESTIS website

- ECHA website

- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

02 / 11.