

Safety Data Sheet

SKYRESTORE 406 - 104005EU

Safety Data Sheet date: 28/5/2024, version 1

1. Identification

GHS Product Identifier

Mixture identification:

Trade name: SKYRESTORE 406

SDS code: 104005EU

Recommended use of the chemical and restrictions on use

Recommended use:

Cleaner

Industrial uses

Restrictions on use:

Supplier's details

Manufacturers:

Socomore SASU - Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France

-Tel. +33 (0)2 97 43 76 90

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Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

Emergency phone number:

Australia emergency phone number: 13 11 26 (Australian Poisons Information Centre)

International : CHEMTEL +1-813-248-0585.

2. Hazards identification

Classification complies with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS Ed.7) and is conform to Safe Work Australia Regulation.

Warning, Flam. Liq. 4, Combustible liquid.

⚠ Warning, Skin Irrit. 2, Causes skin irritation.

⚠ Warning, Eye Irrit. 2A, Causes serious eye irritation.

⚠ Warning, Skin Sens. 1, May cause an allergic skin reaction.

Aquatic Acute 2, Toxic to aquatic life.

⚠ Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

GHS label elements, including precautionary statements

Hazard pictograms:

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Warning

Hazard statements:

- H227 Combustible liquid.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/clothing and eye/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water/...
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P370+P378 In case of fire: Use a CO2 fire extinguisher to extinguish.
- P391 Collect spillage.
- P403 Store in a well-ventilated place.
- P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Other hazards which do not result in a classification:

No other hazards

3. Composition/information on ingredients**Substances**

N.A.

(N.A. = not applicable)

Mixtures

Hazardous components within the meaning of GHS and related classification:

>= 7% - < 10% 3-butoxypropan-2-ol; propylene glycol monobutyl ether

REACH No.: 01-2119475527-28, Index number: 603-052-00-8, CAS: 5131-66-8, EC:

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225-878-4

- ⚠ 3.3/2A Eye Irrit. 2A H319
- ⚠ 3.2/2 Skin Irrit. 2 H315

>= 1% - < 3% Dodecane-1-thiol

REACH No.: 01-2119491318-31, CAS: 112-55-0, EC: 203-984-1

- ⚠ 3.2/1C Skin Corr. 1C H314
- ⚠ 3.4.2/1 Skin Sens. 1 H317
- ⚠ 3.3/1 Eye Dam. 1 H318
- ⚠ 4.1/A1 Aquatic Acute 1 H400 M=10.
- ⚠ 4.1/C1 Aquatic Chronic 1 H410 M=10.

% = weight/weight

NOTE: The Hazard Classifications listed in this section refer to the chemical at a pure concentration. The actual concentration of chemicals has been withheld as trade secret.

4. First-aid measures

Description of necessary first-aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose of safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

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

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

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

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed, if necessary

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

Treatment:

No particular treatment.

5. Fire-fighting measures

Suitable extinguishing media

In case of fire: Use a CO2 fire extinguisher to extinguish.

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Unsuitable extinguishing media

None in particular.

Special hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective actions for fire-fighters

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

For emergency responders:

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

Methods and material for containment and cleaning up

Wash with plenty of water.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Store at ambient temperatures. 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.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

8. Exposure controls/personal protection

Control parameters

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Dodecane-1-thiol - CAS: 112-55-0

- OEL Type: ACGIH - TWA(8h): 0.1 ppm - Notes: DSEN - URT irr
- OEL Type: National - TWA: 0.1 ppm - Notes: Portugal
- OEL Type: National - TWA: 0.1 ppm - Notes: Spain
- OEL Type: National - TWA(8h): 0.84 mg/m³, 0.1 ppm - Notes: Belgium

DNEL Exposure Limit Values

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Worker Industry: 44 mg/kg b.w./day - Consumer: 16 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 270.5 mg/m³ - Consumer: 33.8 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 8.75 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Target: Fresh Water - Value: 0.525 mg/l

Target: Marine water - Value: 0.0525 mg/l

Target: Microorganisms in sewage treatments - Value: 10 mg/l

Target: Freshwater sediments - Value: 2.36 mg/kg dw

Target: Marine water sediments - Value: 0.236 mg/kg dw

Target: Soil (agricultural) - Value: 0.16 mg/kg dw

Appropriate engineering controls:

None

Individual protection measures, such as personal protective equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. Physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	Liquid	--	--
Colour:	Clear to hazy	--	--
Odour:	N.A.	--	--
pH:	9	--	--

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Kinematic viscosity:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flammability:	The product is classified: Combustible liquid.	--	--
Flash point (°C):	79	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	N.A.	--	--
Relative density:	1.06	--	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

SECTION 10: Stability and reactivity

Reactivity

Stable under normal conditions

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Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

None

Conditions to avoid

Stable under normal conditions.

Incompatible materials

None in particular.

Hazardous decomposition products

None.

11. Toxicological information

Information on toxicological effects

Toxicological information of the product:

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Acute toxicity

Not classified

Based on available data, the classification criteria are not met

Skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

Serious eye damage/irritation

The product is classified: Eye Irrit. 2A H319

Respiratory or skin sensitisation

The product is classified: Skin Sens. 1 H317

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

Aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

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Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2.700 mg/kg

Test: LD50 - Route: Skin - Species: Rat > 2.000 mg/kg

Test: LC50 - Route: Inhalation Vapour - Species: Rat > 3.5 mg/l

Dodecane-1-thiol - CAS: 112-55-0

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat (male) = 5000 mg/kg - Source: OECD 401

Test: LD50 - Route: Skin - Species: Rat (male) = 2000 mg/kg - Source: OECD 401

STOT-repeated exposure:

Test: NOEL - Route: Inhalation - Species: Rat = 0.01 mg/l - Duration: 4 weeks (daily, 5 days/week) - Notes: Dose: 0, 0.43, 1.6, 7.3 ppm

Test: LOEL - Route: Skin - Species: Rat = 0.06 mg/l

Test: NOEL - Route: Inhalation - Species: DOG = 1.7 ppm - Duration: 4 weeks (daily, 5 days/week) - Notes: Dose: 0, 0.44, 1.7, 7.7 ppm

12. Ecological information

Toxicity

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

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The product is classified: Aquatic Acute 2 - H401; Aquatic Chronic 2 - H411

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish 560-1000 mg/l - Duration h: 96 - Notes: guppy (*Poecilia reticulata*)

Endpoint: EC50 - Species: Algae > 560 mg/l - Duration h: 96 - Notes: *Pseudokirchneriella subcapitata*

Endpoint: EC50 - Species: Daphnia > 1.000 mg/l - Duration h: 3

Endpoint: NOEC - Species: Fish = 180 mg/l - Duration h: 96 - Notes: guppy

Endpoint: NOEC - Species: Daphnia = 560 mg/l - Duration h: 48 - Notes: *Selenastrum*

Endpoint: NOEC - Species: Algae = 560 mg/l - Duration h: 96

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria > 1.000 mg/l - Duration h: 3

Dodecane-1-thiol - CAS: 112-55-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96 - Notes: *Oncorhynchus mykiss*

Endpoint: ErC50 - Species: Aquatic plants = 0.0145 mg/l - Duration h: 72 - Notes: *Pseudokirchneriella subcapitata* ; OECD 201

Endpoint: NOEC - Species: Microorganisms = 8.6 mg/l - Duration h: 3 - Notes: OECD 209, Resp. Inhibition - Activated sludge

Endpoint: EC10r - Species: Aquatic plants < 0.0145 mg/l - Duration h: 72 - Notes:

Pseudokirchneriella subcapitata ; OECD 201

Persistence and degradability

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

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Biodegradability: Readily biodegradable

Dodecane-1-thiol - CAS: 112-55-0

Biodegradability: Non-readily biodegradable - Test: OECD 301D - Duration: 28 days - %: 0%

Bioaccumulative potential

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Potentially bioaccumulative.

Low bioconcentration potential

Dodecane-1-thiol - CAS: 112-55-0

BCF - Test: Method: calculated 234

Log Kow >6.5 at 25°C

Mobility in soil

3-butoxypropan-2-ol; propylene glycol monobutyl ether - CAS: 5131-66-8

Mobile

Dodecane-1-thiol - CAS: 112-55-0

Log Koc - Test: OECD 121 3.6

Other adverse effects

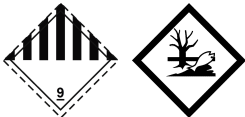
No harmful effects expected.

13. Disposal considerations

Disposal methods:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Please consult Technical Data Sheet for details.

14. Transport information



UN number

ADR-UN Number: 3082

IATA-UN Number: 3082

IMDG-UN Number: 3082

UN proper shipping name

ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dodecane-1-thiol)

IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dodecane-1-thiol)

IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dodecane-1-thiol)

Transport hazard class(es)

ADR-Class: 9

ADR - Hazard identification number: 90

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IATA-Class:	9
IATA-Label:	9
IMDG-Class:	9
Packing group, if applicable	
ADR-Packing Group:	III
IATA-Packing group:	III
IMDG-Packing group:	III
Environmental hazards	
ADR-Environmental Pollutant:	Yes
IMDG-Marine pollutant:	Yes
Most important toxic component:	Dodecane-1-thiol
Special precautions for user	
ADR-Subsidiary hazards:	-
ADR-S.P.:	274 335 375 601
ADR-Transport category (Tunnel restriction code):	3 (-)
IATA-Passenger Aircraft:	964
IATA-Subsidiary hazards:	-
IATA-Cargo Aircraft:	964
IATA-S.P.:	A97 A158 A197 A215
IATA-ERG:	9L
IMDG-EmS:	F-A , S-F
IMDG-Subsidiary hazards:	-
IMDG-Stowage and handling:	Category A
IMDG-Segregation:	-
Transport in bulk according to IMO instruments	
N.A.	

15. Regulatory information

Safety, health and environmental regulations specific for the product in question.

This Safety Data Sheet has been prepared according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Seventh revised edition.

International Inventories:

The substances are listed or exempted from registration in the following international inventories:

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

16. Other information

This document was prepared by a competent person who has received appropriate training. Classification complies with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS Ed.7) and is conform to Safe Work Australia Regulation.

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Full text of phrases referred to in Section 3:

- H319 Causes serious eye irritation.
- H315 Causes skin irritation.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

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
 - CCNL - Appendix 1
- Insert further consulted bibliography

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product.

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 responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

- 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.

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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.
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.

Safety Data Sheet date: 28/5/2024, version 1