

Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH)) DS 108 - P28288-NA

Safety Data Sheet dated 11/3/2015, version 1

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

1.1. Product identifier

Trade name: DS 108
MSDS code: P28288-NA

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

Recommended use:

Solvent
Cleaner
Industrial uses
Professional uses

Uses advised against:

No uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Company:

SOCOMORE S.A.S.
Zone Industrielle du Prat - CS 23707 - 56037 VANNES CEDEX - France
Tel : +33 (0)2 97 43 76 83 - Fax : +33 (0)2 97 54 20 26

Distributor: Socomore GmbH - c/o MAZARS GmbH - Bernhard-Wicki-Straße 7 - 80636 München - Deutschland - Tel: +49 (0)89 20 70 28 83 - Fax: +49 (0) 89 88 91 98 16

Distributor: Socomore Iberia - Calle Diputació, 260 - 08007 Barcelona - Espana - Tel: +34 917 693 962 - Fax: +34 902 908 966

Distributor: MagChem Inc. 1271, rue Ampère, suite 101, Boucherville, QC, J4B 5Z5 Canada - Tel: 1-450 641 8500 - Fax: 1-450 655 1717

Distributor: Socomore Trading Shangai - 355 East Kang Qiao Road - Kang Qiao Industrial Zone - Pudong - 201315 Shangai - Tel: 862158131133 - Fax: 862158131933

Dystrybutor : SOCOMORE SPzoo - Ul. Piekna 18, 00-549 Warszawa Polska - Tel : +48 (22) 486 084 41 14 - Fax : +48 (22) 621 61 09

Distributor/Manufacturer: Socomore Ireland Ltd. - Meenane, Watergrasshill, Co. Cork, Ireland - Tel +353 21 4889922 / Fax +353 21 4889923 / ireland@socomore.com

Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

1.4. Emergency telephone number

+33 (0)1 45 42 59 59

Association/Organisation : INRS

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

Xn Harmful
Xi Irritant

R Phrases:

R10 Flammable.
R37 Irritating to respiratory system.
R41 Risk of serious damage to eyes.
R65 Harmful: may cause lung damage if swallowed.


EC regulation criteria 1272/2008 (CLP)

 Warning, Flam. Liq. 3, Flammable liquid and vapour.

 Danger, Eye Dam. 1, Causes serious eye damage.

 Warning, STOT SE 3, May cause respiratory irritation.

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 Danger, Asp. Tox. 1, May be fatal if swallowed and enters airways.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Symbols:



Danger

Hazard statements:

H226 Flammable liquid and vapour.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H304 May be fatal if swallowed and enters airways.

Precautionary statements:

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

P280 Wear protective gloves and eye/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/...

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER.

P312 Call a POISON CENTER if you feel unwell.

P331 Do NOT induce vomiting.

P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.

Special Provisions:

None

Contents

ethyl (S)-2-hydroxypropionate; ethyl L-lactate; ethyl-(S)-lactate

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

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

None

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 EEC directive 67/548 and CLP regulation and related classification:

>= 70% - < 80% ethyl (S)-2-hydroxypropionate; ethyl L-lactate; ethyl-(S)-lactate

Index number: 607-129-00-7, CAS: 687-47-8, EC: 211-694-1

Xi; R10-37-41

 2.6/3 Flam. Liq. 3 H226

 3.8/3 STOT SE 3 H335


 3.3/1 Eye Dam. 1 H318

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>= 15% - < 20% HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

EC: 918-167-1

Xn; R53-65-66

 3.10/1 Asp. Tox. 1 H304

4.1/C4 Aquatic Chronic 4 H413

>= 12.5% - < 15% 1-Propoxy-2-propanol

REACH No.: 01-2119474443-37, CAS: 1569-01-3, EC: 216-372-4

R10

 2.6/3 Flam. Liq. 3 H226

 3.3/2 Eye Irrit. 2 H319

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:

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.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

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:

No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Extinguishing media which must not be used for safety reasons:

None in particular.

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.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

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.

Use localized ventilation system.

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

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-Propoxy-2-propanol - CAS: 1569-01-3

- OEL Type: ACGIH, 25 ppm

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Safety goggles (EN 166)

Protection for skin:

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

Protection for hands:

Suitable gloves type: NF EN374

PVA (Polyvinyl alcohol).

Butyl rubber (isobutylene-isoprene copolymer)

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Respiratory protection:

Use adequate protective respiratory equipment.
Mask with filter "A1" , brown colour (NF EN14387)

Thermal Hazards:

None

Environmental exposure controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | | |
|---|-------------------------------|---------|--------------------------|
| Appearance and colour: | CLEAR HOMOGENEOUS LIQUID | Method: | N.A. |
| Odour: | N.A. | Method: | N.A. |
| Odour threshold: | N.A. | Method: | N.A. |
| pH: | N.A. | Method: | N.A. |
| Melting point / freezing point: | Not Relevant | Reason: | liquid |
| Initial boiling point and boiling range: | N.A. | Method: | N.A. |
| Flash point: | 46 °C | Method: | NF EN ISO 13736 |
| Evaporation rate: | N.A. | Method: | N.A. |
| Solid/gas flammability: | N.A. | Method: | N.A. |
| Upper/lower flammability or explosive limits: | N.A. | Method: | N.A. |
| Vapour pressure: | 0,661 mmHg (20°C) | Method: | N.A. |
| Vapour density: | 4.9 | Method: | N.A. |
| Relative density: | 0,93 | Method: | according to ASTM D 4052 |
| Solubility in water: | N.A. | Method: | N.A. |
| Solubility in oil: | N.A. | Method: | N.A. |
| Partition coefficient (n-octanol/water): | N.A. | Method: | N.A. |
| Auto-ignition temperature: | 260 °C | Method: | N.A. |
| Decomposition temperature: | N.A. | Method: | N.A. |
| Viscosity: | < 7 mm ² /s (40°C) | Method: | N.A. |
| Explosive properties: | N.A. | Method: | N.A. |
| Oxidizing properties: | N.A. | Method: | N.A. |

9.2. Other information

| | | | |
|-----------------|------|---------|------|
| Miscibility: | N.A. | Method: | N.A. |
| Fat Solubility: | N.A. | Method: | N.A. |
| Conductivity: | N.A. | Method: | N.A. |

Volatile Organic compounds - VOCs = 930 g/l

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

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the mixture:

N.A.

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Toxicological information of the main substances found in the mixture:
 HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

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

N.A.

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

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

No harmful effects expected.

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.

Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):

14 06 03* other solvents and solvent mixtures

SECTION 14: Transport information



14.1. UN number

ADR-UN Number: 1993

IATA-UN Number: 1993

IMDG-UN Number: 1993

14.2. UN proper shipping name

ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S. (ethyl lactate; ethyl DL-lactate;, 1-Propoxy-2-propanol)

IATA-Shipping Name: FLAMMABLE LIQUID, N.O.S. (ethyl lactate; ethyl DL-lactate;, 1-Propoxy-2-propanol)

IMDG-Shipping Name: FLAMMABLE LIQUID, N.O.S. (ethyl lactate; ethyl DL-lactate;, 1-Propoxy-2-propanol)

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| | |
|---|--------------|
| 14.3. Transport hazard class(es) | |
| ADR-Class: | 3 |
| ADR - Hazard identification number: | 30 |
| IATA-Class: | 3 |
| IATA-Label: | 3 |
| IMDG-Class: | 3 |
| 14.4. Packing group | |
| ADR-Packing Group: | III |
| IATA-Packing group: | III |
| IMDG-Packing group: | III |
| 14.5. Environmental hazards | |
| ADR-Environmental Pollutant: | No |
| IMDG-Marine pollutant: | No |
| 14.6. Special precautions for user | |
| ADR-Subsidiary risks: | - |
| ADR-S.P.: | 274 601 640E |
| ADR-Tunnel Restriction Code: | (D/E) |
| IATA-Passenger Aircraft: | 355 |
| IATA-Subsidiary risks: | - |
| IATA-Cargo Aircraft: | 366 |
| IATA-S.P.: | A3 |
| IATA-ERG: | 3L |
| IMDG-EmS: | F-E , S-E |
| IMDG-Subsidiary risks: | - |
| IMDG-Storage category: | Category A |
| IMDG-Storage notes: | - |
| Q.L.: | 5L |
| Q.E.: | E1 |
| 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | |
| N.A. | |

SECTION 15: Regulatory information

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

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances)

Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations)

Dir. 98/24/EC (Risks related to chemical agents at work)

Dir. 2000/39/EC (Occupational exposure limit values)

Dir. 2006/8/EC

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) n. 453/2010 (Annex I)

Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP)

Regulation (EU) n. 487/2013 (ATP 4 CLP)

Listed or in compliance with the following international inventories:

N.A.

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:

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS (CAS: 90622-57-4)

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Labelling of detergents (EC Regulations 648/2004 and 907/2006)

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aliphatic hydrocarbons $\geq 15\%$ - $< 30\%$

Provisions related to directives 82/501/EC(Seveso), 96/82/EC(Seveso II):

N.A.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of phrases referred to in Section 3:

R10 Flammable.

R37 Irritating to respiratory system.

R41 Risk of serious damage to eyes.

R53 May cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

H226 Flammable liquid and vapour.

H335 May cause respiratory irritation.

H318 Causes serious eye damage.

H304 May be fatal if swallowed and enters airways.

H413 May cause long lasting harmful effects to aquatic life.

H319 Causes serious eye irritation.

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

CCNL - Appendix 1

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. |
| 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. |

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| | |
|---------|---|
| LC50: | Lethal concentration, for 50 percent of test population. |
| LD50: | Lethal dose, for 50 percent of test population. |
| LTE: | Long-term exposure. |
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STE: | Short-term exposure. |
| STEL: | Short Term Exposure limit. |
| STOT: | Specific Target Organ Toxicity. |
| TLV: | Threshold Limiting Value. |
| TWATLV: | Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). |
| WGK: | German Water Hazard Class. |