

Regulation (EU) n. 2020/878

Safety Data Sheet date: 18/10/2023, version 8

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

1.1. Product identifier

Trade name: D-SOLV SDS code: P23021

UFI: EHMN-GAR2-E42Q-KGD9

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

Recommended use:

Cleaner

Industrial uses

1.3. Details of the supplier of the safety data sheet

Manufacturers:

Socomore SASU

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

Tel: +33 (0)2 97 43 76 83 - Fax: +33 (0)2 97 54 50 26

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Competent person responsible for the safety data sheet:

techdirsocomore@socomore.com

1.4. Emergency telephone number

France: ORFILA (INRS) +33 (0)1 45 42 59 59 International: CHEMTEL +1-813-248-0585.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

[©] Danger, Eye Dam. 1, Causes serious eye damage.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:





Danger

Hazard statements:

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273 Avoid release to the environment.

P280 Wear protective gloves and eye/face protection.

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.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Contains

ISOTRIDECANOL, ETHOXYLATED (2-5 OE)

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

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

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

stta	Name	Ident. Number		Classification
>= 80% - < 90%	WHITE MINERAL OIL	CAS: EC: REACH No.:	8042-47-5 232-455-8 01- 2119487078 -27	❖ 3.10/1 Asp. Tox. 1 H304
>= 7% - < 10%	ISOTRIDECANOL, ETHOXYLATED (2-5 OE)	CAS: EC: REACH No.:	69011-36-5 500-241-6 01- 2119976362 -32	 \$3.1/4/Oral Acute Tox. 4 H302 \$3.3/1 Eye Dam. 1 H318 4.1/C3 Aquatic Chronic 3 H412
>= 1% - < 3%	Fatty acids, tall-oil, coumpounds with triethanolamine	Index number: CAS: EC:	619_999_97 _4 68132-46-7 268-638-4	¹ 3.2/2 Skin Irrit. 2 H315 1 3.3/2 Eye Irrit. 2 H319



		REACH No.:	Exempted	
>= 0.3% - < 0.5%	BUTYLHYDROXYTOLU ENE	CAS: EC: REACH No.:	204-881-4	♦ 4.1/A1 Aquatic Acute 1 H400♦ 4.1/C1 Aquatic Chronic 1 H410

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.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose of 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 opthalmologist 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.

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:

Treat symptomatically.

No known specific antidote.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam.

Multipurpose powders class ABC

Powders class BC

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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

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

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contamined clothing should be changed before entering eating areas.

Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

WHITE MINERAL OIL - CAS: 8042-47-5

- OEL Type: OSHA PEL - TWA: 5 mg/m3

- OEL Type: NIOSH REL - TWA: 5 mg/m3 - STEL: 10 mg/m3

- OEL Type: ACGIH - TWA: 5 mg/m3



BUTYLHYDROXYTOLUENE - CAS: 128-37-0

- OEL Type: ACGIH - TWA(8h): 2 mg/m3 - Notes: (IFV), A4 - URT irr - OEL Type: NIOSH REL - TWA(Up to 10h): 10 mg/m3 - Notes: USA

DNEL Exposure Limit Values

WHITE MINERAL OIL - CAS: 8042-47-5

Worker Industry: 220 mg/kg - Consumer: 92 mg/kg - Exposure: Human Dermal -

Frequency: Long Term, systemic effects

Worker Industry: 160 mg/m3 - Consumer: 35 mg/m3 - Exposure: Human Inhalation -

Frequency: Long Term, systemic effects - Notes: aerosol

Consumer: 40 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

Worker Professional: 0.5 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long

Term, systemic effects

Worker Professional: 3.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term,

systemic effects

PNEC Exposure Limit Values

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

Target: Marine water - Value: 0.0199 μg/l Target: Fresh Water - Value: 0.199 μg/l

Target: Freshwater sediments - Value: 99.6 mg/kg Target: Marine water sediments - Value: 9.96 mg/kg

Target: Soil (agricultural) - Value: 47.69 μg/l

Target: Water (intermittent discharge) - Value: 1.99 µg/l - Notes:: fresh water

Biological Exposure Index

N.A.

8.2. Exposure controls

See below, example of PPE to use.

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

NBR (nitrile rubber). PVA (Polyvinyl alcohol).

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

Other conditions affecting workers exposure:

None



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes	
Physical state:	Liquid			
Colour:	Light yellow			
Odour:	N.A.			
Melting point/freezing point:	Not Relevant			
Boiling point or initial boiling point and boiling range:	>265 °C			
Flammability:	N.A.			
Lower and upper explosion limit:	N.A.			
Flash point (°C):	190 °C	ISO 2592		
Auto-ignition temperature:	Not Relevant			
Decomposition temperature:	N.A.			
pH:	N.A.			
Kinematic viscosity:	> 20,5 mm2/ sec (40 °C)			
Solubility in water:	N.A.			
Solubility in oil:	N.A.			
Partition coefficient n- octanol/water (log value):	N.A.			
Vapour pressure:	0,06 mmHg (20 °C)			
Density and/or relative density:	0.86	ISO 649, ASTM D1298		
Relative vapour density:	Not Relevant			
Particle characteristics:				
Particle size:	N.A.			



9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	40 CPS	NF EN ISO 2555	

Volatile Organic compounds - VOCs = 0 g/l

N.A. = not available

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

Acids.

Bases.

Caustics.

Halogens.

Reactive chemicals.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

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

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

WHITE MINERAL OIL - CAS: 8042-47-5

Acute toxicity:

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

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 5000 mg/m3 - Duration: 4h

ISOTRIDECANOL, ETHOXYLATED (2-5 OE) - CAS: 69011-36-5

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 300 mg/kg

Test: LD50 - Route: Oral - Species: Rat < 2000 mg/kg - Source: OECD 423 Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

Carcinogenicity:



Test: NOAEL > 250 mg/kg bw/day

Reproductive toxicity:

Test: NOAEL > 250 mg/kg bw/day

STOT-repeated exposure:

Route: Oral - Species: Rat = 50 mg/kg bw/day - Duration: 2 years

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 6000 mg/kg Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg

Reproductive toxicity:

Test: NOAEL - Route: Oral = 100 mg/kg bw/day

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:

Acute toxicity:

Skin corrosion/irritation;

Serious eye damage/irritation;

Respiratory or skin sensitisation;

Germ cell mutagenicity;

Carcinogenicity;

Reproductive toxicity;

STOT-single exposure;

STOT-repeated exposure;

Aspiration hazard.

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

Other toxicological information:

WHITE MINERAL OIL

Severe eye injury/irritation (rabbit):

May cause mild and transient eye discomfort.

May be fatal if swallowed and enter the respiratory tract.

-

ISOTRIDECANOL, ETHOXYLATED (2-5 OE)

Eye irritation:

Severe eye damage

SECTION 12: Ecological information

12.1. Toxicity

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

WHITE MINERAL OIL - CAS: 8042-47-5

a) Aquatic acute toxicity:

Endpoint: EL50



- Species: Algae > 100 - Duration h: 48 - Notes: Pseudokirchnerella subcapitata

Endpoint: EL50

- Species: Daphnia > 100 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: LL50

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

b) Aquatic chronic toxicity:

Endpoint: NOEL - Species: Daphnia = 10 mg/l - Duration h: 504 - Notes: Daphnia magna - OECD

Endpoint: NOEL - Species: Fish = 1000 mg/l - Duration h: 336-504 - Notes: Oncorhynchus mykiss - QSAR Petrotox

ISOTRIDECANOL, ETHOXYLATED (2-5 OE) - CAS: 69011-36-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1 mg/l - Duration h: 96 - Notes: Leuciscus idus (Fish test acute, static)

Endpoint: LC50 - Species: Fish < 10 mg/l - Duration h: 96 - Notes: Leuciscus idus (Fish test acute, static)

Endpoint: EC50 - Species: Daphnia > 1 mg/l - Duration h: 48 - Notes: Daphnia magna (Daphnia test acute)

Endpoint: EC50 - Species: Daphnia < 10 mg/l - Duration h: 48 - Notes: Daphnia magna (Daphnia test acute)

Endpoint: EC50 - Species: Aquatic plants > 1 mg/l - Duration h: 72 - Notes: Scenedesmus sp. (DIN 38412 Part 9)

Endpoint: EC50 - Species: Aquatic plants < 10 mg/l - Duration h: 72 - Notes: Scenedesmus sp. (DIN 38412 Part 9)

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Daphnia = 0.37 mg/l - Duration h: 504 - Notes: DAPHNIA MAGNA

c) Bacteria toxicity:

Endpoint: EC50 - Species: bacteria = 140 mg/l

d) Terrestrial toxicity:

Endpoint: NOEC = 10 mg/kg - Notes: Lepidium sativum

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 0.199 mg/l Endpoint: EC50 - Species: Algae = 0.758 mg/l Endpoint: EC50 - Species: Daphnia = 480 mg/l Endpoint: NOEC - Species: Daphnia = 150 mg/l

12.2. Persistence and degradability

WHITE MINERAL OIL - CAS: 8042-47-5

Biodegradability: Biodegradation in water - Duration: 28 days - %: <60

ISOTRIDECANOL, ETHOXYLATED (2-5 OE) - CAS: 69011-36-5

Biodegradability: Readily biodegradable - Test: OECD 301B - Duration: 28 days - %: > 60 - Notes: Aerobic

Biodegradability: Biodegradable - Test: OECD 311 - Duration: 60 days - %: > 60 - Notes: Anaerobic

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

Biodegradability: Non-readily biodegradable



12.3. Bioaccumulative potential

WHITE MINERAL OIL - CAS: 8042-47-5

Log Kow > 6

ISOTRIDECANOL, ETHOXYLATED (2-5 OE) - CAS: 69011-36-5

Low bioconcentration potential

BUTYLHYDROXYTOLUENE - CAS: 128-37-0

BCF 598

Log Pow 5.2

12.4. Mobility in soil

ISOTRIDECANOL, ETHOXYLATED (2-5 OE) - CAS: 69011-36-5

High adsorption on soils

Log Koc > 5000 - Notes: QSAR

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. 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):

13 08 99* wastes not otherwise specified

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of ADR, IATA and IMDG transport regulations.

14.2. UN proper shipping name

N.A

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A

14.5. Environmental hazards

ADR-Enviromental Pollutant: No IMDG-Marine pollutant: No

14.6. Special precautions for user

NΑ

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

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



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

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

Regulation (EC) n. 1907/2006 (REACH)

Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

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

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

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

Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)

Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP)

Regulation (EU) n. 2017/776 (ATP 10 CLP)

Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2018/1480 (ATP 13 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP)

Regulation (EU) n. 2020/217 (ATP 14 CLP)

Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)

Regulation (EU) n. 2021/849 (ATP 17 CLP)

Regulation (EU) n. 2022/692 (ATP 18 CLP)

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

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

Restriction 75

Listed or in compliance with the following international inventories:

N.A.

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

N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):

N.A.

N.A.

Where applicable, refer to the following regulatory provisions:



Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

1999/13/EC (VOC directive)
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III): Seveso III category according to Annex 1, part 1 None

15.2. Chemical safety assessment

No

SECTION 16: Other information

N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:

H304 May be fatal if swallowed and enters airways.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Aquatic Acute 1	4.1/A1	Acute aquatic hazard, category 1
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3



This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Dam. 1, H318	Calculation method
Aquatic Chronic 3, H412	Calculation method

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

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

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

Nostrand Reinold

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.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

ADR: European Agreement concerning the International Carriage of

Dangerous Goods by Road.

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.



GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of

Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport

Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization"

(ICAO).

IMDG: International Maritime Code for Dangerous Goods.INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

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.

STOT SE: May cause drowsiness or dizziness

TLV: Threshold Limiting Value.
TWA: Time-weighted average

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day.

(ACGIH Standard).

WGK: German Water Hazard Class.