Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
Diestone DLS

Safety Data Sheet dated 8/9/2021, version 7

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

1.1. Product identifier

Trade name: Diestone DLS
SDS code: P28280
UFI: DQPG-VGCR-1M2S-HXE2

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

Recommended use:

Solvent
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
International : CHEMTEL +1-813-248-0585.
Ireland - National Poisons Information Centre: 01 8092166

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



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



Warning, STOT SE 3, May cause drowsiness or dizziness.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

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.

P312 Call a POISON CENTER if you feel unwell.

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

P403+P235 Store in a well-ventilated place. Keep cool.

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

Special Provisions:

None

Contains

1-methoxy-2-propanol; monopropylene glycol methyl ether

2-methoxy-1-methylethyl acetate

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <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 the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 70% - < 80%	1-methoxy-2-propanol; monopropylene glycol methyl ether	Index number: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1 REACH No.: 01-21194574 35-35	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336
>= 15% - < 20%	2-methoxy-1-methylethyl acetate	Index number: 607-195-00-7 CAS: 108-65-6 EC: 203-603-9 REACH No.: 01-21194757 91-29	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336
>= 7% - < 10%	HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS	EC: 919-857-5 REACH No.: 01-21194632 58-33	2.6/3 Flam. Liq. 3 H226 3.10/1 Asp. Tox. 1 H304 3.8/3 STOT SE 3 H336 EUH066

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 of safely.
In case of eyes contact:
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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:
No particular treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
In case of fire, use a CO_2 fire extinguisher to extinguish.
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 all sources of ignition.
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

Avoid vapor emissions.
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 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

Occupational exposure limit values

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
- OEL Type: National - TWA(8h): 188 mg/m3, 50 ppm - STEL: 375 mg/m3, 100 ppm - Notes: France VLEC - INRS TMP N°84
- OEL Type: National - TWA: 370 mg/m3, 100 ppm - Notes: Germany
- OEL Type: National - TWA: 180 mg/m3 - STEL: 360 mg/m3 - Notes: Poland
- OEL Type: EU - TWA(8h): 375 mg/m3, 100 ppm - STEL: 563 mg/m3, 150 ppm - Notes: Skin
- OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT irr
- OEL Type: National - TWA: 187 mg/m3, 50 ppm - STEL(Mow): 187 mg/m3, 50 ppm - Notes: Österreich
- OEL Type: National - TWA(8h): 375 mg/m3, 100 ppm - STEL(15'): 560 mg/m3, 150 ppm - Notes: United Kingdom - Skin

2-methoxy-1-methylethyl acetate - CAS: 108-65-6
- OEL Type: ACGIH - TWA(8h): 150 ppm - STEL: 100 ppm
- OEL Type: National - TWA(8h): 275 mg/m3, 50 ppm - STEL: 550 mg/m3, 100 ppm - Notes: France VLEC
- OEL Type: National - TWA(8h): 270 mg/m3, 50 ppm - Notes: GERMANY
- OEL Type: National - TWA(8h): 274 mg/m3, 50 ppm - STEL: 548 mg/m3, 100 ppm - Notes: UK (WELs)
- OEL Type: National - TWA: 260 mg/m3 - STEL: 520 mg/m3 - Notes: POLAND
- OEL Type: EU - TWA(8h): 275 mg/m3, 50 ppm - STEL: 550 mg/m3, 100 ppm - Notes: Skin
- OEL Type: AIHA
- TWA: 50 ppm
- OEL Type: National - TWA: 275 mg/m3, 50 ppm - STEL(5 min (Mow)): 550 mg/m3, 100 ppm - Notes: Österreich

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS
- OEL Type: National - TWA: 1200 mg/m3, 197 ppm - Notes: ExxonMobil

DNEL Exposure Limit Values

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Worker Industry: 369 mg/m3 - Consumer: 43.9 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Industry: 50.6 mg/kg b.w./day - Consumer: 18.1 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Consumer: 3.3 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 553.5 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term (acute)

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Worker Industry: 796 mg/kg b.w./day - Consumer: 320 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 275 mg/m3 - Consumer: 33 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 36 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

Worker Industry: 550 mg/m3 - Consumer: 33 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Worker Industry: 208 mg/kg b.w./day - Consumer: 125 mg/kg b.w./day - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Industry: 871 mg/m3 - Consumer: 185 mg/kg b.w./day - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Consumer: 125 mg/kg b.w./day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2

Target: Fresh Water - Value: 10 mg/l

Target: Freshwater sediments - Value: 41.6 mg/kg

Target: Marine water sediments - Value: 4.17 mg/kg

Target: Soil (agricultural) - Value: 2.47 mg/kg

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Marine water - Value: 1 mg/l

Target: Water (intermittent discharge) - Value: 100 mg/l

2-methoxy-1-methylethyl acetate - CAS: 108-65-6

Target: Fresh Water - Value: 0.635 mg/l

Target: Marine water - Value: 0.0635 mg/l

Target: Microorganisms in sewage treatments - Value: 100 mg/l

Target: Freshwater sediments - Value: 3.29 mg/kg dw

Target: Marine water sediments - Value: 0.329 mg/kg dw

Target: Soil - Value: 0.29 mg/kg

Target: PNEC intermittent - Value: 6.35 mg/l

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:

Chemical protection clothing.

Protection for hands:

PVA (Polyvinyl alcohol).
Butyl rubber (isobutylene-isoprene copolymer)
Butyl rubber (isobutylene-isoprene copolymer)
Respiratory protection:
Use adequate protective respiratory equipment.
Mask with filter "A1" , brown colour (NF EN14387)
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
Appearance and colour:	Clear Colourless liquid	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	Not Relevant	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	117 °C	NF T67-101	--
Flash point (°C):	30 °C	NF EN ISO 13736	--
Flash Point (°F):	86 °F	--	--
Evaporation rate:	0.6	NFT 30-301	--
Solid/gas flammability:	N.A.	--	liquid
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	5.9 KPa (20 °C)	--	--
Vapour density:	3.4	--	--
Relative density:	0.9	ISO 649, ASTM D1298	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	276 °C	--	--
Decomposition temperature:	Not Relevant	--	--
Viscosity:	N.A.	--	--
Explosive properties:	yes	--	May form explosive mixtures with air. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

Volatile Organic compounds - VOCs = 100 %
Volatile Organic compounds - VOCs = 900 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 product:
N.A.

Toxicological information of the main substances found in the product:
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 5 mg/l - Duration: 4h
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 10.8 mg/l
Test: LC50 - Route: Skin - Species: Rabbit > 5000 mg/kg
Test: LC0 - Route: Inhalation Vapour - Species: Rabbit = 23.5 mg/l
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS
Acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg - Duration: 24 hours
Test: LC50 - Route: Inhalation - Species: Rat > 4951 mg/m3 - Duration: 8h

If not specified in other sections, the information required in Regulation (EU)2015/830 listed below must be considered as not relevant.:
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.

Other toxicological information:
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS
Irritating to eyes and skin.
Repeated exposure may cause dryness or cracking of the skin.
Inhalation of vapours may cause drowsiness and dizziness.
Inhalation - May irritate respiratory tracts.
Inhalation of vapours may cause headaches, nausea, vomiting and impaired consciousness.
Ingestion:
Severe lung damage, irritation of the digestive tract, nausea, vomiting and diarrhea. Risk of central nervous system depression.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Leuciscus idus, LC/EC/IC50
Endpoint: LC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: LC/EC/IC50
Endpoint: LC50 - Species: Algae > 1000 mg/l - Notes: LC/EC/IC50
Endpoint: LC50 - Species: Fish < 4600 mg/l - Duration h: 96 - Notes: Leuciscus idus
2-methoxy-1-methylethyl acetate - CAS: 108-65-6
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Algae > 1000 mg/l
Endpoint: LC50 - Species: Fish = 134 mg/l
Endpoint: EC50 - Species: Daphnia = 408 mg/l
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish = 47.5 mg/l - Duration h: 336 - Notes: Oryzias latipes
Endpoint: NOEC - Species: Daphnia > 100 mg/l - Duration h: 504
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72 - Notes: Pseudokirchnerella subcapitata
Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48 - Notes: Daphnia magna
Endpoint: DSEO-R (NOELR) - Species: Algae = 3 mg/l - Duration h: 72 - Notes: Pseudokirchnerella subcapitata - biomass - OECD 201)
Endpoint: DSEO-R (NOELR) - Species: Algae = 100 mg/l - Duration h: 72 - Notes: Pseudokirchnerella subcapitata - growth rate - EOCD 201)
b) Aquatic chronic toxicity:
Endpoint: DSEO-R (NOELR) - Species: Daphnia = 0.23 mg/l - Duration h: 504 - Notes: Daphnia magna - QSAR Petrotox
Endpoint: DSEO-R (NOELR) - Species: Fish = 0.13 mg/l - Duration h: 672 - Notes: Oncorhynchus mykiss - QSAR Petrotox

12.2. Persistence and degradability

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
Biodegradability: Readily biodegradable
HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS
Biodegradability: Biodegradability rate - Duration: 28 days - %: 80
Biodegradability: Photodegradation (in air)

12.3. Bioaccumulative potential

1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
Log Pow 0.37

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

Wassergefahrdungsklasse (Deutschland): 2

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. (1-methoxy-2-propanol; monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)
IATA-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (1-methoxy-2-propanol; monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)
IMDG-Shipping Name:	FLAMMABLE LIQUID, N.O.S. (1-methoxy-2-propanol; monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)

N.A.

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-Enviromental Pollutant: No
IMDG-Marine pollutant: No

14.6. Special precautions for user

ADR-Subsidiary hazards: -
ADR-S.P.: 274 601 640E
ADR-Transport category (Tunnel restriction code): 3 (D/E)
IATA-Passenger Aircraft: 355
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 366
IATA-S.P.: A3
IATA-ERG: 3L
IMDG-EmS: F-E , S-E
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -
Q.L.: 5L
Q.E.: E1

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

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) 2015/830
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)

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
Restriction 40

Restrictions related to the substances contained:
Restriction 30

Listed or in compliance with the following international inventories:
TSCA - Toxic Substances Control Act

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, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS (CAS: 64742-48-9)

Labelling of detergents (EC Regulations 648/2004 and 907/2006):
Diestone DLS
aliphatic hydrocarbons >= 5% - < 15%

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):
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
Product belongs to category: P5c

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:
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
EUH066 Repeated exposure may cause skin dryness or cracking.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

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
Flam. Liq. 3, H226	On basis of test data
STOT SE 3, H336	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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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.

Exposure scenario, ES Version 2, 01/07/2019

Identification	
Name	DIESTONE DLS
CAS No.	N/A
INDEX No.	N/A
EC No.	N/A
Registration number(s)	N/A

Number of the ES: 1	**Title**	Washing and cleaning products (including solvent based products) - Industrial uses
	ES Date - ES Version	28/06/2019 - V.2
	type	Industrial uses
	Sector(s) of Use	SU3, SU22
	Product Categories	PC35_2, PC35_3
	Environmental release categories [ERC]	ERC4
	Process categories [PROC]	PROC7, PROC8a, PROC10, PROC13
	Article categories [AC]	N/A

Number of the ES: 1	Industrial uses

Short Title

Washing and cleaning products (including solvent based products) - Industrial uses

List of use descriptors

Sector of uses [SU]	SU3: Industrial uses - SU22: Professional uses
Process categories [PROC]	PROC7: Spraying in industrial settings and applications -PROC8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities - PROC10: Roller application or brushing of adhesive and other coating. - PROC13: Treatment of articles by dipping and pouring
Environmental release categories [ERC]	ERC4: Industrial use of processing aids in processes and products, not becoming part of articles

Exposure Scenario Scope of Process

N/A

Guidance to Downstream User to evaluate whether he works inside the boundaries set by the ES

Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.

Remark

N/A

1.1 Contributing scenario

Short Title

Wide dispersive indoor use of reactive substances in open systems -Wide dispersive outdoor use of processing aids in open systems -
Industrial use of processing aids in processes and products, not becoming part of articles -
Wide dispersive indoor use of processing aids in open systems

Environmental release categories [ERC]

ERC4: Industrial use of processing aids in processes and products, not becoming part of articles

Specific Environmental Release Categories [SPERC]

N/A

Concentration of the substance in a mixture

N/A

Remark

N/A

Product characteristics

Physical form of product: Liquid, vapour pressure 0,5 - 10 kPa at STP

Vapour pressure: N/A

Temperature: N/A

Level of dustiness: N/A

Volatilities: N/A

Remark: N/A

Exposure estimation

Exposure estimation: N/A

Compartments: N/A

Specific Conditions: N/A

Descriptors: N/A

Lev: N/A

Msafe: N/A

Remark: N/A

Exposure Level:

1. Exposure Level

Exposure Level Value: 8 hours

Risk characterisation ratio (RCR):

Exposure Level Value Types: N/A

Exposure Level RCR Types: N/A

2. Exposure Level

Exposure Level Value: 45 °C

Risk characterisation ratio (RCR):

Exposure Level Value Types: N/A

Exposure Level RCR Types: N/A

Frequency and Durations

N/A

Amounts used

7133045 kg

Further Operational

N/A

Human factors not influenced by risk management

Exposed skin surface assumed:	Covers skin contact area up to
Other Factors:	280 cm2
Remark:	N/A

Other given operational conditions affecting environmental exposure

Indoor and outdoor use.:	Indoor
Temperature:	N/A
Room size:	N/A
Minimum room ventilation rate for handling/application (air changes per hour):	N/A
Remark:	N/A

Other operational conditions of use affecting environmental exposure

1. Other operational conditions of use affecting environmental exposure

type: N/A

Emission days (days/year): 300 days per year

Emission Factor Air: N/A

Emission Factor Water: N/A

Emission Factor Soil: N/A

Remark: N/A

Environmental Factors

1. Environmental Factors

type: N/A

Value: N/A

Flow rate of receiving surface water.: N/A

Local freshwater dilution factor: 10

Local marine water dilution factor: 100

Environmental Factors: N/A

Environment factors not influenced by risk management: N/A

STP

STP Effluent:	2000 m3/day
STP Efficiency:	87,3 %
Total efficiency of removal from wastewater after onsite and offsite (domestic treatment plant) RMMs (%):	87,3 %
Type of sewage treatment plant (STP):	Municipal STP
Sludge treatment technique:	Sludge should be incinerated, contained or reclaimed.
Limit Stp Air Emission:	N/A
Remark:	N/A

Risk management measures (RMM)

Additional good practice advice beyond the REACH CSA	Wear suitable gloves (tested to EN374) and eye protection. -Provide enhanced general ventilation by mechanical means.
Technical Measures Environment	70 % Contain and treat vapors from stripping operations.
Exposure Time	N/A
Remark	N/A
Conditions and measures related to external recovery of waste	N/A
Release Discharge Prevention	N/A
Waste management measures	N/A

1.1 Contributing exposure scenario controlling worker exposure

Short Title

N/A

Process categories [PROC]

PROC7: Spraying in industrial settings and applications -PROC8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities -
PROC10: Roller application or brushing of adhesive and other coating. -
PROC13: Treatment of articles by dipping and pouring

Concentration of substance in preparation/mixture or article

≥ 0 , < 100 %

Remark

N/A

Product characteristics

1. Product characteristics

Physical form of product: Liquid, vapour pressure 0,5 - 10 kPa at STP

Vapour pressure: N/A

Temperature: N/A

Level of dustiness: N/A

Volatilities: N/A

Remark: N/A

Exposure estimation

N/A

Frequency and Durations

1. Frequency and Durations

Duration: Value: 8 hours

Frequency: Value:

Amounts used

7133045 kg

Further Operational

N/A

Human factors not influenced by risk management

Exposed Skin Area : -Covers skin contact area up to
Other Factors : 820 cm2

Other given operational conditions affecting workers exposure

1. Other given operational conditions affecting workers exposure

Indoor and outdoor use.: Indoor

Temperature: 45 °C

Room size: N/A

Minimum room ventilation rate for handling/application (air changes per hour): 5 Event

Remark: N/A

Risk management measures (RMM)

Additional good practice advice beyond the REACH CSA	Wear suitable gloves (tested to EN374) and eye protection.

Technical Protective Measures	N/A
Personal protective measures	N/A
Organisational measures	N/A