

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878 Revision date: 27/12/2023 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Trade name : Eni i-Sint tech Eco F 5W-20

Product code : 1018 Type of product : Lubricants Formula : 0017-2013 : Trade product Product group

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

1.2.1. Relevant identified uses

: Professional use, Consumer use Main use category

Industrial/Professional use spec : Used in closed systems

Wide dispersive use

Use of the substance/mixture : Lubricant for internal combustion engines

Do not use the product for any purposes that have not been advised by the manufacturer.

Function or use category : Lubricants and additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Eni Sustainable Mobility S.p.A., Viale Giorgio Ribotta 51, 00144 Rom, ITALY, Tel. +39 06 59821, www.eni.com Competent person responsible for the safety data sheet (Reg. EC nr. 1907/2006): SDS.ESM.info@eni.com

Distributed by: Enilive Schmiertechnik GmbH, Paradiesstraße 14, 97080 Würzburg, GERMANY, www.oilproducts.eni.com Department responsible for information: Application Engineering & Product Management (AEPM), Tel. +49 (0)931-900 98-0 e-mail: technik.wuerzburg@enilive.com

1.4. Emergency telephone number

Emergency number : CNIT +39 0382 24444 (24h) (IT + EN)

Poison Center

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP]

Hazardous to the aquatic environment - Chronic Hazard, H412

Category 3

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

For specific information about the toxicological/ecotoxicological properties and classification of this product, see Sect. 11 and/or Sect. 12.

2.2. Label elements

EUH-statements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

CLP Signal word

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation. : EUH208 - Contains Maleic anhydride. May produce an allergic reaction.

27/12/2023 (Revision date) FU - en 1/23

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Nordic countries regulation

Denmark

MAL code : 00-1 (Executive Order No. 301 from 1993)

2.3. Other hazards (not relevant for classification)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Mineral base oil, severely refined (N/A)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2,6-Di-tert-butylphenol (128-39-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component	
Distillates (petroleum), hydrotreated heavy paraffinic(64742-54-7)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
Mineral base oil, severely refined(N/A)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
2,6-Di-tert-butylphenol(128-39-2)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched(121158-58-5)	The substance is included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP]
Distillates (petroleum), hydrotreated heavy paraffinic (Main component, see note [**]) substance with national workplace exposure limit(s) (AT, BE, DK, ES, GB, HU, NL, SE)	CAS-No.: 64742-54-7 EC-No.: 265-157-1 EC Index-No.: 649-467-00-8 REACH-no: 01-2119484627- 25	80 - 90	Asp. Tox. 1, H304
Mineral base oil, severely refined (For identification of the substance, see note [*]) substance with national workplace exposure limit(s) (AT, BE, DK, ES, GB, HU, NL, SE)	CAS-No.: N/A EC-No.: N/A	1 - 7	Asp. Tox. 1, H304
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (see note [**]) substance with national workplace exposure limit(s) (AT, BE, DK, ES, GB, HU, NL, SE)	CAS-No.: 72623-87-1 EC-No.: 276-738-4 EC Index-No.: 649-483-00-5 REACH-no: 01-2119474889- 13	5 – 9,9	Not classified
2,6-Di-tert-butylphenol (Additive)	CAS-No.: 128-39-2 EC-No.: 204-884-0 REACH-no: 01-2119490822- 33	0,02 - 0,12	Skin Irrit. 2, H315 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched Substance included in REACH Candidate List (Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP))	CAS-No.: 121158-58-5 EC-No.: 310-154-3 EC Index-No.: 604-092-00-9 REACH-no: 01-2119513207-	0,01 - 0,03	Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
maleic anhydride substance with national workplace exposure limit(s) (AT, DE, ES, FR)	CAS-No.: 108-31-6 EC-No.: 203-571-6 EC Index-No.: 607-096-00-9	<0,000113	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) STOT RE 1, H372 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1A, H317 EUH071

Specific concentration limits:		
Name	Product identifier	Specific concentration limits (%)
maleic anhydride	CAS-No.: 108-31-6 EC-No.: 203-571-6 EC Index-No.: 607-096-00-9	(0,001 ≤ C ≤ 100) Skin Sens. 1A, H317

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Notes

: [*] Note: this product may be formulated with one or more of the following severely refined mineral base oils (not classified as hazardous):

CAS 101316-72-7/EC 309-877-7/REACH Reg. # 01-2119489969-06-xxxx; CAS 64742-54-7/EC 265-157-1/REACH Reg. # 01-2119484627-25-xxxx; CAS 64742-01-4/EC 265-101-6/REACH Reg. # 01-2119488707-21-xxxx; CAS 72623-87-1/EC 276-738-4/REACH Reg. # 01-2119474889-13-xxxx; CAS 64742-71-8/EC 265-176-5/REACH Reg. # 01-2119485040-48-xxxx; CAS 64742-65-0/EC 265-169-7/REACH Reg. # 01-2119471299-27-xxxx; CAS 64742-70-7/EC 265-174-4/REACH Reg. # 01-2119487080-42-xxxx.

All these substances have a value < 3 % wt of DMSO extract, according to IP 346 (Nota L - Annex VI Reg (CE) 1272/2008, # 1.1.3)

Note [**]:

this product has a value of DMSO extract < 3 % wt, according to IP 346. According to the criteria laid out by the EU (note L, Annex VI of Regulation (CE) 1272/2008), this product must be regarded as non carcinogenic.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation

First-aid measures after skin contact

First-aid measures after eye contact

First-aid measures after ingestion

: In case of disturbances owing to inhalation of vapours or mists, remove the victim from exposure; keep at rest; if necessary, seek medical attention. See also section 4.3.

: Take off contaminated clothing and shoes. Wash thoroughly with soap and water. If inflammation or irritation persists, seek medical advice. In case of burns, cool affected part with cold running water for at least 10 min. Cover with gauze or clean cloth. Ask for medical assistance or bring to a hospital. Do not apply salves or other substances, unless by doctor's advice. Body hypothermia must be avoided. Do not put ice on the burn.

Rinse eyes thoroughly for at least 15 minutes. Keep eyelids well apart. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, seek medical advice. In case of burns, cool affected part with cold running water for at least 10 min. Cover with gauze or clean cloth. Ask for medical assistance or bring to a hospital. Do not apply salves or other substances, unless by doctor's advice.

: Do not induce vomiting to avoid aspiration into the lungs. Keep at rest. If the person is conscious, rinse mouth with water without swallowing. Keep at rest. Call for medical assistance or bring to an hospital. If the casualty is unconscious, place in the recovery position. In case of spontaneous vomiting, keep head low, to avoid the risk of aspiration into the lungs. Do not give anything by mouth to an unconscious person.

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

Symptoms / injuries (general indications)

Symptoms/effects after inhalation

: Not expected to present a significant hazard under anticipated conditions of normal use.

: This product has a low vapour pressure, and in normal conditions at ambient temperature the concentration in the air is negligible. A significant concentration may build up only if the product is used at high temperature, or in case of sprays and mists. In these cases overexposure to vapours may cause irritation to airways, nausea and dizziness.

Symptoms/effects after skin contact Symptoms/effects after eye contact : Contact with hot product may cause thermal burns.

Contact with eyes may cause temporary reddening and irritation. Contact with hot product or vapours may cause burns.

Symptoms/effects after ingestion

: Accidental ingestion of small quantities of the product may cause irritation, nausea and gastric disturbances. Taking into account the taste of the product, however, ingestion of dangerous quantities is very unlikely.

Symptoms/effects upon intravenous administration

Chronic symptoms

: No information available.

: None to be reported, according to the present classification criteria.

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

Obtain medical attention if casualty has an altered state of consciousness or if symptoms do not resolve. If there is any suspicion of inhalation of H2S (hydrogen sulphide). The casualty should be sent immediately to hospital. Immediately begin artificial respiration if breathing has ceased. Administer oxygen if necessary.

27/12/2023 (Revision date) EU - en 4/23

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

: Small-size fires: carbon dioxide, dry chemicals, foam, sand or earth. Large fires: foam or water fog (mist). These means should be used by trained personnel only. Other extinguishing gases (according to regulations).

Unsuitable extinguishing media

Do not use water jets. They could cause splattering, and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

5.2. Special hazards arising from the substance or mixture

Fire hazard

: This product is combustible, but not classified as Flammable. The creation of flammable vapour mixtures takes place at temperatures which are higher than normal ambient levels.

Explosion hazard

: Vapours are heavier than air, spread along floors and form explosive mixtures with air. Heat may build pressure in tank and containers, rupturing closed vessels, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

Firefighting instructions

: Shut off source of product, if possible. Spilled product which is not burning should be covered with sand or foam. If possible, move containers and drums away from the danger area, if safe to do so. Use water sprays to cool containers and surfaces exposed to the flames. If the fire cannot be controlled, evacuate area.

Special protective equipment for firefighters

: Wear personal protection equipment. (see chapter 8). In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. EN 443 EN 469 EN 659

Other information

: In case of fire, do not discharge residual product, waste materials and runoff water: collect separately and use a proper treatment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

: Stop or contain leak at the source, if safe to do so. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares). Avoid accidental sprays on hot surfaces or electrical contacts. Avoid direct contact with released material. Keep upwind.

6.1.1. For non-emergency personnel

Protective equipment

: See Section 8.

Emergency procedures

: Keep non-involved personnel away from the area of spillage. Alert emergency personnel. Except in case of small spillages, the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency.

6.1.2. For emergency responders

Protective equipment

: Small spillages: normal antistatic working clothes are usually adequate. Large spillages: full body suit of chemically resistant and antistatic material. if necessary heat resistant and insulated. Work gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons. Gloves made of PVA are not water-resistant, and are not suitable for emergency use. If contact with hot product is possible or anticipated, gloves should be heat-resistant and thermally insulated. Antistatic non-skid safety shoes or boots, chemical resistant, if necessary heat resistant and insulated. Work helmet. Goggles and /or face shield, if splashes or contact with eyes is possible or anticipated. Respiratory protection: A half or full-face respirator with filter(s) for organic vapours (A) (or A+B when applicable for H2S), or a Self-contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure. If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used.

Emergency procedures

: If required, notify relevant authorities according to all applicable regulations.

27/12/2023 (Revision date) EU - en 5/23

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

6.2. Environmental precautions

Do not let the product accumulate in confined or underground spaces. Do not let the product flow into sewers or water courses, or in any way contaminate the environment. In case of contamination of environment compartments (soil, subsoil, surface or underground waters), remove contaminated soil when possible, and in any case treat all involved compartments in accordance with local regulations. The site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

6.3. Methods and material for containment and cleaning up

For containment

: Contain spilled liquid with sand, earth or other suitable absorbents (non-flammable).

Recover free liquid and waste materials in suitable waterproof and oil-resistant containers.

Clean contaminated area. Dispose of according to local regulations. If in water: Confine the spillage. Remove from surface by skimming or suitable floating absorbents. Collect recovered product and other waste materials in suitable waterproof, oil resistant containers.

Recover or dispose of according to local regulations. Do not use solvents or dispersants, unless specifically advised by an expert, and, if required, approved by local authorities.

Other information

: Recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air/water temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. Local regulations may also prescribe or limit actions to be taken. For this reason, local experts should be consulted when necessary.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

: Ensure that all relevant regulations regarding handling and storage facilities of flammable products are followed. Do not use compressed air for filling, discharging, or handling operations. Keep away from heat/sparks/open flames/hot surfaces. Use and store only outdoors or in a well-ventilated area. During transfer operations, ensure that all equipment and containers are correctly grounded. Avoid the build-up of electric charges. Emptied containers can contain combustible product residues. Do not cut, weld, drill, burn or incinerate empty containers or drums, unless they have been drained and cleaned. Before entering storage tanks and commencing any operation in a confined area (e.g. tunnels), carry out an adequate clean-up, and check the atmosphere for oxygen content, flammability, and the presence of sulphur compounds. See also Section 16, "Other information"

Handling temperature Hygiene measures

- : This product can be handled at ambient temperatures.
- Avoid contact with skin. Do not breathe fume/ mist/ vapours. Do not ingest. Do not smoke. Do not eat and do not drink during use. Do not clean hands with dirty or oil-soaked rags. Do not re-use clothes, if they are still contaminated. Keep away from food and beverages.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Store in dry, well-ventilated area. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke.

Incompatible products

: Keep away from strong oxidizers.

Storage temperature

: This product can be stored at ambient temperatures.

Storage area

: Storage area layout, tank design, equipment and operating procedures must comply with the relevant European, national or local legislation. Storage installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills. Cleaning, inspection and maintenance of internal structure of storage tanks must be done only by properly equipped and qualified personnel as defined by national, local or company regulations.

Packages and containers:

: If the product is supplied in containers: Keep containers tightly closed and properly labelled. Keep only in the original container or in a suitable container for this kind of product.

Packaging materials

: For containers, or container linings use materials specifically approved for use with this product. Compatibility should be checked with the manufacturer.

27/12/2023 (Revision date) EU - en 6/23

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Belgium - Occupational Exposure Limits		
OEL TWA	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	1 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
OEL STEL	2 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Netherlands - Occupational Exposure Limits		
MAC TGG 8h (mg/m³)	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Spain - Occupational Exposure Limits		
VLA-ED (OEL TWA) [1]	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
VLA-EC (mg/m³)	10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	1 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
KGV (OEL STEL)	3 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
ACGIH OEL STEL	10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Mineral base oil, severely refined (N/A)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Belgium - Occupational Exposure Limits		
OEL TWA	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	1 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
OEL STEL	2 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Hungary - Occupational Exposure Limits		
AK (OEL TWA)	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
Netherlands - Occupational Exposure Limits		
MAC TGG 8h (mg/m³)	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Mineral base oil, severely refined (N/A)			
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA) [1]	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
VLA-EC (mg/m³)	10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	1 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
KGV (OEL STEL)	3 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
USA - ACGIH - Occupational Exposure Limits			
ACGIH OEL TWA	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
ACGIH OEL STEL	10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
maleic anhydride (108-31-6)			
Austria - Occupational Exposure Limits			
MAK [ppm]	0,1 ppm		
France - Occupational Exposure Limits			
VME (OEL TWA)	1 mg/m³		
Germany - Occupational Exposure Limits (TRGS 90	0)		
AGW (OEL TWA) [2]	0,1 ppm		
Limitation of exposure peaks (ppm)	0,1 ppm		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA) [2]	0,1 ppm		
USA - ACGIH - Occupational Exposure Limits			
ACGIH TLV®-TWA (ppm)	0,01 ppm		
Lubricating oils (petroleum), C20-50, hydrotre Baseoil - unspecified (72623-87-1)	ated neutral oil-based		
Austria - Occupational Exposure Limits			
MAK (OEL TWA)	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
Belgium - Occupational Exposure Limits			
OEL TWA	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
Denmark - Occupational Exposure Limits			
OEL TWA [1]	1 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
OEL STEL	2 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
Hungary - Occupational Exposure Limits	Hungary - Occupational Exposure Limits		
AK (OEL TWA)	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
Netherlands - Occupational Exposure Limits			
MAC TGG 8h (mg/m³)	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
Spain - Occupational Exposure Limits			
VLA-ED (OEL TWA) [1]	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
VLA-EC (mg/m³)	10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
Sweden - Occupational Exposure Limits			
NGV (OEL TWA)	1 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)		
KGV (OEL STEL) 3 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)		
USA - ACGIH - Occupational Exposure Limits		
ACGIH OEL TWA	5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
ACGIH OEL STEL	10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m)	

8.1.2. Recommended monitoring procedures

Monitoring methods	
Monitoring methods	Monitoring procedures should be chosen according to the indications set by national authorities or labour contracts. Refer to relevant legislation and in any case to the good practice of industrial hygiene.

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

o.1.4. DNEL and FNEO		
Eni i-Sint tech Eco F 5W-20		
DNEL/DMEL (additional information)		
Additional information	Not applicable	
PNEC (additional information)		
Additional information	Not applicable	
Distillates (petroleum), hydrotreated heavy p	araffinic (64742-54-7)	
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	1 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	2,7 mg/m³	
Long-term - local effects, inhalation	5,6 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	0,74 mg/kg bodyweight/day	
Long-term - local effects, inhalation	1,2 mg/m³/day (DNEL, Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
PNEC (Oral)		
PNEC oral (secondary poisoning)	9,33 mg/kg food	
Mineral base oil, severely refined (N/A)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, inhalation	= 5,4 mg/m³/day (DNEL, Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
DNEL/DMEL (General population)		
Long-term - local effects, inhalation	= 1,2 mg/m³/day (DNEL, Mineral base oil mist, severely refined, DMSO extract <3% m/m)	
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	166 mg/kg bodyweight/day	
Acute - systemic effects, inhalation	44,18 mg/m³	
Long-term - systemic effects, dermal	0,25 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	1,7621 mg/m³	

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

phenol, dodecyl-, branched; phenol, 2-dodec	yl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	50 mg/kg bodyweight/day
Acute - systemic effects, inhalation	13,26 mg/m³
Acute - systemic effects, oral	1,26 mg/kg bodyweight/day
Long-term - systemic effects,oral	0,075 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,79 mg/m³
Long-term - systemic effects, dermal	0,075 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,074 µg/l
PNEC aqua (marine water)	0,0074 µg/l
PNEC aqua (intermittent, freshwater)	0,37 μg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,226 mg/kg dwt
PNEC sediment (marine water)	0,0266 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,118 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	4 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l
2,6-Di-tert-butylphenol (128-39-2)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	11,25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	70,61 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	6,75 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	20,9 mg/m³
Long-term - systemic effects, dermal	6,75 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,0007 mg/l
PNEC aqua (marine water)	0,00007 mg/l
PNEC aqua (intermittent, freshwater)	0,0045 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,317 mg/kg dwt
PNEC sediment (marine water)	0,0317 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,697 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	60 mg/kg food

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

2,6-Di-tert-butylphenol (128-39-2)	
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l
Note :	The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived

The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accord with specific guidance within the European REACH regulation. The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs may be recommended by an individual company, a governmental regulatory body or an expert organization, such as the Scientific Committee for Occupational Exposure Limits (SCOEL) or the American Conference of Governmental Industrial Hygienists (ACGIH). OELs are considered to be safe exposure levels for a typical worker in an occupational setting for an 8-hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short-term exposure limit (STEL). While also considered to be protective of health, OELs are derived by a process different from that of REACH.

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Before entering storage tanks and commencing any operation in a confined area (e.g. tunnels), check the atmosphere for oxygen content, presence of hydrogen sulphide (H2S) and SOx, and flammability. See also Section 16, "Other information".

8.2.2. Personal protection equipment

Personal protective equipment (for industrial or professional use):

Face shield. Gloves. Protective clothing. Safety glasses. Safety shoes or boots. Dust/aerosol mask.

Personal protective equipment symbol(s):











8.2.2.1. Eye and face protection

Eye protection:

When there is a risk of contact with the eyes, use safety goggles or other means of protection (face shield). If necessary, refer to national standards or to the EN 166 standard.

8.2.2.2. Skin protection

Skin and body protection:

Long-sleeved overalls. If necessary, refer to the EN 340 and related standards, for definition of characteristics and performance according to the risk rating of the area. Antistatic non-skid safety shoes or boots, chemical resistant, if necessary heat resistant and insulated.

Hand protection:

When there is a risk of contact with the skin, use waterproof gloves, resistant to chemical products. Gloves must be felt-lined. Adequate materials: nitrile (NBR) or PVC with a protection index > 5 (permeation time > 240 mins). Use gloves respecting all the conditions and within the limits set by the manufacturer. Replace gloves immediately in case of cuts, holes or other signs of damages or degradation. If necessary, refer to the EN 374 standard. Personal hygiene is a key element for an effective hand care. Gloves must be worn only with clean hands. After wearing gloves, hands must be carefully washed and dried.

8.2.2.3. Respiratory protection

Respiratory protection:

Independently from other possible actions (technical modifications, operating procedures, and other means to limit the exposure of workers), personal protection equipment can be used according to necessity. Open or well ventilated spaces: in presence of oil mists and if the product is handled without adequate containment means: use full or half-face masks with filter for mists/aerosols (P). In case there is a significant presence of vapours (e.g. through handling at high temperature), use full or half-face masks with a filter for organic vapours (A), and H2S (B) where applicable. (EN 136/140/145). Combination filter device (DIN EN 141). Closed or confined areas (e.g. tank interiors): the use of protection measures for airways (masks or self-contained breathing apparatus), must be assessed according to the specific activity, as well as level and duration of predicted exposure. (EN 136/140/145). Approved respiratory protection equipment shall be used in spaces where hydrogen sulphide may accumulate: full face mask with cartridge/filter type "B" (grey for inorganic vapours including H2S) or self-contained breathing apparatus (SCBA). (EN 136/140/145)

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

8.2.2.4. Thermal hazards

Thermal hazard protection:

If contact with hot product is possible or anticipated, gloves should be heat-resistant and thermally insulated.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Do not discharge the product into the environment. Storage areas/installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills. Prevent discharge of undissolved substance to or recover from onsite wastewater. Onsite wastewater treatment required. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed.

Consumer exposure controls:

No special requirements necessary, if handled at room temperature.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Yellow to amber.

Appearance : Liquid, bright & clear.

Molecular mass : Not applicable for mixtures

Odour : Slight odour of petroleum.

Odour threshold : There are no data available on the preparation/mixture itself.

Melting point : -39 °C (pour point) (ASTM D 97)

Freezing point Not applicable Boiling point Not determined Flammability Not flammable Lower explosion limit Not determined Upper explosion limit : Not determined : 216 °C (ASTM D 92) Flash point Auto-ignition temperature : Not determined Decomposition temperature : Not determined рΗ : Not applicable.

Viscosity, kinematic : 44 mm²/s (40 °C) (ASTM D 445)
Solubility : Water: Immiscible and insoluble
Log Kow : Not applicable for mixtures
Log Pow : Not applicable for mixtures

Vapour pressure : Not determined Vapour pressure at 50°C : Not determined

Critical pressure : Not applicable for mixtures
Density : 851 kg/m³ (15 °C) (ASTM D 4052)

Relative density : Not determined Relative vapour density at 20°C : Not determined Particle characteristics : Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Critical temperature : Not applicable for mixtures

9.2.2. Other safety characteristics

Relative evaporation rate (butylacetate=1) : Negligible.
Additional information : No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

This mixture does not offer any further hazard for reactivity, except what is reported in the following paragraphs.

10.2. Chemical stability

Stable product, according to its intrinsic properties.

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

10.3. Possibility of hazardous reactions

None (in normal conditions of storage and handling). Contact with strong oxidizers (peroxides, chromates, etc.) may cause a fire hazard. Sensitivity to heat, friction or shock cannot be assessed in advance.

10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition. Avoid the build-up of electrostatic charge.

10.5. Incompatible materials

Strong oxidants.

Additional information

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce: Toxic fumes. In exceptional cases (i.e prolonged storage in tanks contaminated with water, and presence of anaerobic sulfate-reducing microbial colonies), the product may undergo a degradation and generate small amounts of sulfur compounds, including H2S.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Additional information : (according to composition)

Additional information .	(according to composition)		
Distillates (petroleum), hydrotreated heavy pa	araffinic (64742-54-7)		
LD50 oral rat	> 5000 mg/kg (OECD 401)		
LD50 dermal rat	> 5000 mg/kg (OECD 402)		
LC50 Inhalation - Rat	> 5 mg/l/4h (OECD 403)		
Mineral base oil, severely refined (N/A)			
LD50 oral rat	≥ 5000 mg/kg bodyweight (OECD 401)		
LD50 dermal rat	≥ 5000 mg/kg bodyweight (OECD 402)		
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)			
LD50 oral rat	2100 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1620 - 2730		
LD50 dermal rabbit	≈ 15000 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)		
2,6-Di-tert-butylphenol (128-39-2)			
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)		
LD50 dermal rabbit	> 0,5 ml/kg		
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)			
LD50 oral rat	> 5000 mg/kg (OECD 401)		
LD50 dermal rat	> 5000 mg/kg (OECD 402)		
LC50 Inhalation - Rat	> 5 mg/l/4h (OECD 403)		
Skin corrosion/irritation :	Not classified (Based on available data, the classification criteria are not met) pH: Not applicable.		

: (according to composition)

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)			
рН	Not applicable		
Mineral base oil, severely refined (N/A)			
рН	Not applicable		
Lubricating oils (petroleum), C20-50, hydrotre Baseoil - unspecified (72623-87-1)	eated neutral oil-based		
рН	Not applicable		
Serious eye damage/irritation :	Not classified (Based on available data, the classification criteria are not met)		
Additional information :	pH: Not applicable. (according to composition) This product contains components with a Specific Concentration Limit (SCL). This product is formulated with a component which contains substances classified as Eye Dam.1, H318. The component itself has been tested by the manufacturer and has been assessed as NOT irritant to eyes. This result has been used for classification of the final mixture (Bridging principle "Dilution").		
Distillates (petroleum), hydrotreated heavy pa	araffinic (64742-54-7)		
рН	Not applicable		
Mineral base oil, severely refined (N/A)			
рН	Not applicable		
Lubricating oils (petroleum), C20-50, hydrotre Baseoil - unspecified (72623-87-1)	eated neutral oil-based		
рН	Not applicable		
Respiratory or skin sensitisation Additional information Germ cell mutagenicity Additional information Carcinogenicity Additional information :	Not classified (Based on available data, the classification criteria are not met) (according to composition) Not classified (Based on available data, the classification criteria are not met) (according to composition) Not classified (Based on available data, the classification criteria are not met) (according to composition) This product contains: Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil—unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] this product has a value of DMSO extract < 3 % wt, according to IP 346. According to the criteria laid out by the EU (note L, Annex VI of Regulation (CE) 1272/2008), this product must be regarded as non carcinogenic. All the mineral base oils contained in this product have a value < 3 % wt of DMSO extract, according to IP 346 (Nota L - Annex VI Reg (CE) 1272/2008, # 1.1.3)		
Additional information :	Not classified (Based on available data, the classification criteria are not met) (according to composition)		
phenol, dodecyl-, branched; phenol, 2-dodecy	yl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)		
NOAEL (animal/male, F1)	1,5 mg/kg		
NOAEL (animal/female, F1)	15 mg/kg (OECD 416)		
STOT-single exposure : Additional information :	Not classified (Based on available data, the classification criteria are not met) (according to composition)		
STOT-repeated exposure : Additional information :	Not classified (Based on available data, the classification criteria are not met) (according to composition)		
Distillates (petroleum), hydrotreated heavy pa			
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight/day (OECD TG 408)		
Lo. LE (ordi, rat, oo days)	120 mg/ng body noighbady (0200 10 100)		

27/12/2023 (Revision date) EU - en 14/23

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Mineral base oil, severely refined (N/A) LOAEL (oral, rat, 90 days) 2,6-Di-tert-butylphenol (128-39-2) NOAEL (subacute, oral, animal/male, 28 days) > 100 mg/kg bodyweight/(100 mg / d) maleic anhydride (108-31-6) STOT-repeated exposure Causes damage to organs (respiratory system) through prolonged or repeated exposure (inhalation). Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1) LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight/day (OECD TG 408) Aspiration hazard : Not classified (Based on available data, the classification criteria are not met) Additional information : Viscosity, kinematic: > 20,5 mm2/s (40 °C) (ASTM D 445) Eni i-Sint tech Eco F 5W-20 Viscosity, kinematic 44 mm²/s (40 °C) (ASTM D 445) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Viscosity, kinematic 17,9 mm²/s (40 °C) (ASTM D 445) Mineral base oil, severely refined (N/A) Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1) Viscosity, kinematic 48 mm²/s (40°C) (ASTM D 445)					
2,6-Di-tert-butylphenol (128-39-2) NOAEL (subacute, oral, animal/male, 28 days) > 100 mg/kg bodyweight (100 mg / d) maleic anhydride (108-31-6) STOT-repeated exposure Causes damage to organs (respiratory system) through prolonged or repeated exposure (inhalation). Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1) LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight/day (OECD TG 408) Aspiration hazard : Not classified (Based on available data, the classification criteria are not met) Additional information : Viscosity, kinematic: > 20,5 mm2/s (40 °C) (ASTM D 445) Eni i-Sint tech Eco F 5W-20 Viscosity, kinematic 44 mm²/s (40 °C) (ASTM D 445) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Viscosity, kinematic 17,9 mm²/s (40 °C) (ASTM D 445) Mineral base oil, severely refined (N/A) Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	Mineral base oil, severely refined (N/A)				
NOAEL (subacute, oral, animal/male, 28 days) > 100 mg/kg bodyweight (100 mg / d) maleic anhydride (108-31-6) STOT-repeated exposure Causes damage to organs (respiratory system) through prolonged or repeated exposure (inhalation). Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1) LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight/day (OECD TG 408) Aspiration hazard : Not classified (Based on available data, the classification criteria are not met) Additional information : Viscosity, kinematic: > 20,5 mm2/s (40 °C) (ASTM D 445) Eni i-Sint tech Eco F 5W-20 Viscosity, kinematic 44 mm²/s (40 °C) (ASTM D 445) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Viscosity, kinematic 17,9 mm²/s (40 °C) (ASTM D 445) Mineral base oil, severely refined (N/A) Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	LOAEL (oral, rat, 90 days)	EL (oral, rat, 90 days) 125 mg/kg bodyweight/day (OECD TG 408)			
maleic anhydride (108-31-6) STOT-repeated exposure Causes damage to organs (respiratory system) through prolonged or repeated exposure (inhalation). Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1) LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight/day (OECD TG 408) Aspiration hazard : Not classified (Based on available data, the classification criteria are not met) Additional information : Viscosity, kinematic: > 20,5 mm2/s (40 °C) (ASTM D 445) Eni i-Sint tech Eco F 5W-20 Viscosity, kinematic 44 mm²/s (40 °C) (ASTM D 445) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Viscosity, kinematic 17,9 mm²/s (40 °C) (ASTM D 445) Mineral base oil, severely refined (N/A) Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	2,6-Di-tert-butylphenol (128-39-2)				
STOT-repeated exposure Causes damage to organs (respiratory system) through prolonged or repeated exposure (inhalation). Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1) LOAEL (oral, rat, 90 days) 125 mg/kg bodyweight/day (OECD TG 408) Aspiration hazard SNot classified (Based on available data, the classification criteria are not met) Additional information Viscosity, kinematic: > 20,5 mm2/s (40 °C) (ASTM D 445) Eni I-Sint tech Eco F 5W-20 Viscosity, kinematic 44 mm²/s (40 °C) (ASTM D 445) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Viscosity, kinematic 17,9 mm²/s (40 °C) (ASTM D 445) Mineral base oil, severely refined (N/A) Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	NOAEL (subacute, oral, animal/male, 28 days)	> 100 mg/kg bodyweight (100 mg / d)			
(inhalation). Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1) LOAEL (oral, rat, 90 days) Aspiration hazard : Not classified (Based on available data, the classification criteria are not met) Additional information : Viscosity, kinematic: > 20,5 mm2/s (40 °C) (ASTM D 445) Eni i-Sint tech Eco F 5W-20 Viscosity, kinematic	maleic anhydride (108-31-6)				
Baseoil - unspecified (72623-87-1) LOAEL (oral, rat, 90 days) Aspiration hazard Signal (Based on available data, the classification criteria are not met) Additional information Signal (Based on available data, the classification criteria are not met) Additional information Eni i-Sint tech Eco F 5W-20 Viscosity, kinematic 44 mm²/s (40 °C) (ASTM D 445) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Viscosity, kinematic 17,9 mm²/s (40 °C) (ASTM D 445) Mineral base oil, severely refined (N/A) Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	STOT-repeated exposure				
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met) Additional information : Viscosity, kinematic: > 20,5 mm2/s (40 °C) (ASTM D 445) Eni i-Sint tech Eco F 5W-20 Viscosity, kinematic		ated neutral oil-based			
Additional information : Viscosity, kinematic: > 20,5 mm2/s (40 °C) (ASTM D 445) Eni i-Sint tech Eco F 5W-20 Viscosity, kinematic	_OAEL (oral, rat, 90 days) 125 mg/kg bodyweight/day (OECD TG 408)				
Viscosity, kinematic 44 mm²/s (40 °C) (ASTM D 445) Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Viscosity, kinematic 17,9 mm²/s (40 °C) (ASTM D 445) Mineral base oil, severely refined (N/A) Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	•	· · · · · · · · · · · · · · · · · · ·			
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) Viscosity, kinematic	Eni i-Sint tech Eco F 5W-20				
Viscosity, kinematic 17,9 mm²/s (40 °C) (ASTM D 445) Mineral base oil, severely refined (N/A) Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	viscosity, kinematic 44 mm²/s (40 °C) (ASTM D 445)				
Mineral base oil, severely refined (N/A) Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)				
Viscosity, kinematic > 21 mm²/s Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	Viscosity, kinematic	Viscosity, kinematic 17,9 mm²/s (40 °C) (ASTM D 445)			
Hydrocarbon Yes Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	Mineral base oil, severely refined (N/A)	Mineral base oil, severely refined (N/A)			
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	Viscosity, kinematic	> 21 mm²/s			
Baseoil - unspecified (72623-87-1)	Hydrocarbon	Yes			
Viscosity, kinematic 48 mm²/s (40°C) (ASTM D 445)					
	Viscosity, kinematic	48 mm²/s (40°C) (ASTM D 445)			

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component

phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched(121158-58-5) additional data available (see section 2.3)

The substance is identified for having endocrine disrupting properties but there is no

11.2.2. Other information

Potential adverse human health effects and

symptoms

: Contact with eyes may cause temporary reddening and irritation.

Other information : None

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

: An uncontrolled release to the environment may nevertheless produce a contamination of different environmental compartments (air, soil, underground, surface water bodies, aquifers). Handle according to general working hygiene practices to avoid pollution and release into the environment.

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

: This product has a low vapour pressure, and in normal conditions at ambient temperature Ecology - air the concentration in the air is negligible. A significant concentration may build up only in case of sprays and mists. In these cases overexposure to mists (e.g. through prolonged

use in confined insufficiently ventilated spaces) may cause irritation to airways, nausea and dizziness.

Ecology - water This product is not soluble in water. It floats on water and forms a film on the surface. The damage to aquatic organisms is of mechanical kind (immobilization and entrapment)

Hazardous to the aquatic environment, short-term

Not classified

Hazardous to the aquatic environment, long-term

: Harmful to aquatic life with long lasting effects.

(chronic)

(chronic)					
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)					
LC50 fish 1	> 100 mg/l (LL 50)				
EC50 Daphnia 1	> 10000 mg/l WAF, 48 h (OECD 202)				
Mineral base oil, severely refined (N/A)	Mineral base oil, severely refined (N/A)				
LC50 fish 1	> 100 mg/l (LL 50)				
EC50 Daphnia 1	> 10000 mg/l WAF, 48 h (OECD 202)				
phenol, dodecyl-, branched; phenol, 2-dodecy	yl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)				
LC50 fish 1	40 mg/l (Pimephales promelas)				
EC50 Daphnia 1	0,037 mg/l Test organisms (species): Daphnia magna				
EC50 other aquatic organisms 1	> 0,58 mg/l (96h, Mysidopsis Bahia)				
EC50 72h - Algae [1]	0,15 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)				
EC50 72h - Algae [2]	0,36 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)				
ErC50 (algae)	0,36 mg/l (21d)				
LOEC (chronic)	0,012 mg/l Test organisms (species): Daphnia magna Duration: '21 d'				
NOEC (chronic)	0,0037 mg/l Test organisms (species): Daphnia magna Duration: '21 d'				
2,6-Di-tert-butylphenol (128-39-2)					
LC50 fish 1	1,4 mg/l Test organisms (species): Pimephales promelas				
LC50 other aquatic organisms 1	0,45 mg/l				
EC50 Daphnia 1	0,45 mg/l Test organisms (species): Daphnia magna				
EC50 72h - Algae [1]	3,6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)				
EC50 72h - Algae [2]	1,4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)				
EC50 96h - Algae [1]	3,9 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)				
EC50 96h - Algae [2]	1,2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)				
LOEC (chronic)	0,086 mg/l Test organisms (species): Daphnia magna Duration: '21 d'				
NOEC (chronic)	0,035 mg/l Test organisms (species): Daphnia magna Duration: '21 d'				
NOEC chronic crustacea	0,035 mg/l (21d)				
-					

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)				
LC50 fish 1	LC50 fish 1 > 100 mg/l (LL 50)			
EC50 Daphnia 1 > 10000 mg/l WAF, 48 h (OECD 202)				

12.2. Persistence and degradability

Eni i-Sint tech Eco F 5W-20			
Persistence and degradability	The most significant constituents of the product should be considered as "inherently biodegradable", but not "readily biodegradable", and they may be moderately persistent, particularly in anaerobic conditions.		
Distillates (petroleum), hydrotreated heavy pa	araffinic (64742-54-7)		
Persistence and degradability	The most significant constituents of the product should be considered as "inherently biodegradable", but not "readily biodegradable", and they may be moderately persistent, particularly in anaerobic conditions.		
Mineral base oil, severely refined (N/A)			
Persistence and degradability	The most significant constituents of the product should be considered as "inherently biodegradable", but not "readily biodegradable", and they may be moderately persistent, particularly in anaerobic conditions.		
phenol, dodecyl-, branched; phenol, 2-dodecy	yl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)		
Biodegradation	25 % (28 d, OECD TG 301 B)		
2,6-Di-tert-butylphenol (128-39-2)			
Biodegradation	24 % (Zahn-Wellens, 10-20 %)		
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)			
Persistence and degradability	The most significant constituents of the product should be considered as "inherently biodegradable", but not "readily biodegradable", and they may be moderately persistent, particularly in anaerobic conditions.		

12.3. Bioaccumulative potential

Eni i-Sint tech Eco F 5W-20				
Log Pow	Not applicable for mixtures			
Log Kow	Not applicable for mixtures			
Bioaccumulative potential	Not established.			
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)				
Bioconcentration factor (BCF REACH) 794,33				
Log Kow	7,14			
2,6-Di-tert-butylphenol (128-39-2)				
Log Kow 4,5 (0.1 d, 10-20 %)				
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)				
Log Kow	> 6			

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

12.4. Mobility in soil

Eni i-Sint tech Eco F 5W-20	
Ecology - soil	No data available.

12.5. Results of PBT and vPvB assessment

Eni i-Sint tech Eco F 5W-20			
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII			
This substance/mixture does not meet the vPvB criteria	a of REACH regulation, annex XIII		
Results of PBT-vPvB assessment	The components in this formulation do not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as "Persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1)		
Component			
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance does not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as "Persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1)		
Mineral base oil, severely refined (N/A)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII This substance does not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as "Persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1)		
phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched (121158-58-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
2,6-Di-tert-butylphenol (128-39-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Baseoil - unspecified (72623-87-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII		

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

Component

phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched(121158-58-5)

Has an endocrine mode of action, i.e. it alters the function(s) of the endocrine system

12.7. Other adverse effects

Other adverse effects Additional information : None.

: This product has no specific properties for inhibition of bacterial activity. In any case, wastewater containing this product should be treated in plants that are suited for the specific purpose.

27/12/2023 (Revision date) EU - en 18/23

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

: Do not dispose of the product, either new or used, by dumping on the ground, or discharging into sewers, tunnels, lakes or water courses. Deliver to a qualified official collector. Dispose of empty containers and wastes safely.

Sewage disposal recommendations

Dispose of in a safe manner in accordance with local/national regulations. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed.

Product/Packaging disposal recommendations

European Waste Catalogue code(s) (Decision 2001/118/CE): 13 02 05* (mineral-based non-chlorinated engine, gear and lubricating oils). This EWC code is only a general indication, and takes into account the original composition of the product and its intended use. The user has the responsibility of choosing the right EWC code, considering the actual use of the product, alterations and contaminations.

Additional information

: Empty containers may contain combustible product residues. Do not cut, weld, bore, burn or incinerate emptied containers, unless they have been cleaned and declared safe.

Ecology - waste materials EURAL code (EWC)

: The product as it is does not contain halogenated substances.

: 13 02 05* - Mineral-based non-chlorinated engine, gear and lubricating oils

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID n	umber				
Not regulated for transport					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.2. UN proper shippin	g name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard	class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group	14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards					
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
None.					

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)			
Reference code	Applicable on	Entry title or description	
3(b)	Distillates (petroleum), hydrotreated heavy paraffinic; Mineral base oil, severely refined	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	
3(c)	Eni i-Sint tech Eco F 5W- 20	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	
30.	phenol, dodecyl-, branched; phenol, 2- dodecyl-, branched; phenol, 3-dodecyl-, branched	Substances which are classified as reproductive toxicant category 1A or 1B in Part 3 of Annex VI to Regulation (EC) No 1272/2008 and are listed in Appendix 5 or Appendix 6, respectively.	

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations ≥ 0.1 % or SCL: phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched (EC 310-154-3, CAS 121158-58-5)

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

National adoption of EU Directives concerning health and safety on the workplace.

National adoption of EU Directives concerning control of major-accident hazards involving dangerous substances (2012/18/CE).

Relevant national laws on prevention of water pollution.

Relevant national laws on protection of the health of pregnant workers (National adoption of Dir. 92/85/EEC).

National adoption of Directive 2008/98/CE concerning disposal of used oils.

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

France

Maladies professionelles (F)			
Code Description			
RG 36	G 36 Diseases caused by oils and fats of mineral or synthetic origin		
RG 66 Occupational rhinitis and asthma			

Germany

: Employment prohibitions or restrictions on the protection of young people at work according **Employment restrictions**

to § 22 JArbSchG in the case of formation of hazardous substances have to be observed.

National Rules and Recommendations TRGS 900: Occupational Exposure Limits.

TRGS 800: Fire protection measures.

TRGS 555: Working instruction and information for workers.

TRGS 402: Identification and Assessment of the Risks from Activities involving Hazardous

Substances: Inhalation Exposure.

TRGS 401: Risks resulting from skin contact - identification, assessment, measures. TRGS 400: Hazard assessment for activities involving Hazardous Substances.

VbF class (D) Not applicable.

Water hazard class (WGK) (D) WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).

WGK remark Classification based on the components in compliance with Verwaltungsvorschrift

wassergefährdender Stoffe (VwVwS).

Storage class (LGK, TRGS 510) LGK 12 - Non-combustible liquids.

Is not subject of the Hazardous Incident Ordinance (12. BlmSchV) Hazardous Incident Ordinance (12. BImSchV)

Netherlands

Saneringsinspanningen : C - Minimize discharge

SZW-lijst van kankerverwekkende stoffen None of the components are listed SZW-lijst van mutagene stoffen None of the components are listed SZW-lijst van reprotoxische stoffen - Borstvoeding

SZW-lijst van reprotoxische stoffen -

Vruchtbaarheid

None of the components are listed

phenol, dodecyl-, branched; phenol, 2-dodecyl-, branched; phenol, 3-dodecyl-, branched is

SZW-lijst van reprotoxische stoffen - Ontwikkeling : None of the components are listed

Denmark

: 00-1 (Executive Order No. 301 from 1993) MAL code

Danish National Regulations Young people under 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with it

15.2. Chemical safety assessment

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

No chemical safety assessment has been carried out

A chemical safety assessment has been carried out for the following components of this mixture::

Distillates (petroleum), hydrotreated heavy paraffinic

2,6-Di-tert-butylphenol

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

Baseoil - unspecified

SECTION 16: Other information

Indication of changes				
Section Changed item Change Notes				
	First issue.			

Abbreviations and acronyms:		
	Complete text of the H phrases quoted in this Safety Data Sheet. These phrases are reported here for information	
	only, and MAY NOT correspond to the classification of the product.	

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Abbreviations and a	Abbreviations and acronyms:				
	N/D = not available				
	N/A = not applicable				
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways				
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road				
ATE	Acute Toxicity Estimate				
BCF	Bioconcentration factor				
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008				
DMEL	Derived Minimal Effect level				
DNEL	Derived-No Effect Level				
EC50	Effective concentration for 50 percent of test population (median effective concentration)				
IARC	International Agency for Research on Cancer				
IATA	International Air Transport Association				
IMDG	International Maritime Dangerous Goods				
LC50	Lethal concentration for 50 percent of test population (median lethal concentration)				
LD50	Lethal dose for 50 percent of test population (median lethal dose)				
LOAEL	Lowest Observed Adverse Effect Level				
NOAEC	No-Observed Adverse Effect Concentration				
NOAEL	No-Observed Adverse Effect Level				
NOEC	No-Observed Effect Concentration				
OECD	Organisation for Economic Co-operation and Development				
PBT	Persistent Bioaccumulative Toxic				
PNEC	Predicted No-Effect Concentration				
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No 1907/2006				
RID	Regulation concerning the International Carriage of Dangerous Goods by Railways				
SDS	Safety Data Sheet				
STP	Sewage treatment plant				
vPvB	Very Persistent and Very Bioaccumulative				

Data sources

Training advice

Other information

- : This Safety Data Sheet is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers.
- : Provide adequate training to professional operators for the use of PPEs, according to the information contained in this Safety Data Sheet.
- : Do not use the product for any purposes that have not been advised by the manufacturer. In exceptional cases (i.e prolonged storage in tanks contaminated with water, and presence of anaerobic sulfate-reducing microbial colonies), the product may undergo a degradation and generate small amounts of sulfur compounds, including H2S. This situation is especially relevant in all those circumstances which require to enter a confined space, with direct exposure to the vapours. If this possibility is suspected, a specific assessment of inhalation risks from the presence of H2S in confined spaces must be made, to help determine prevention measures and controls (i.e. PPE) appropriate to local circumstances, and adequate emergency procedures. If there is any suspicion of inhalation of H2S (hydrogen sulphide), Rescuers must wear breathing apparatus, belt and safety rope, and follow rescue procedures. Send patient to hospital. Immediately begin artificial respiration if breathing has ceased. Administer oxygen if necessary.

Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878

Full text of H- and EUH-statements:					
Acute Tox. 4 (Oral)	4 (Oral) Acute toxicity (oral), Category 4				
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1				
Aquatic Chronic 1	Chronic 1 Hazardous to the aquatic environment – Chronic Hazard, Category 1				
Asp. Tox. 1	Aspiration hazard, Category 1				
EUH071	Corrosive to the respiratory tract.				
EUH208	Contains Maleic anhydride. May produce an allergic reaction.				
Eye Dam. 1	Serious eye damage/eye irritation, Category 1				
H302	Harmful if swallowed.				
H304	May be fatal if swallowed and enters airways.				
H314	Causes severe skin burns and eye damage.				
H315 Causes skin irritation.					
H317	May cause an allergic skin reaction.				
H318	Causes serious eye damage.				
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.				
H360F	May damage fertility.				
H372	Causes damage to organs through prolonged or repeated exposure.				
H400	Very toxic to aquatic life.				
H410	Very toxic to aquatic life with long lasting effects.				
H412	Harmful to aquatic life with long lasting effects.				
Repr. 1B	Reproductive toxicity, Category 1B				
Resp. Sens. 1	Respiratory sensitisation, Category 1				
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B				
Skin Corr. 1C	C Skin corrosion/irritation, Category 1, Sub-Category 1C				
Skin Irrit. 2	Skin corrosion/irritation, Category 2				
Skin Sens. 1A	s. 1A Skin sensitisation, category 1A				
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1				

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:			
Aquatic Chronic 3	H412	Calculation method	

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.