

# Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878 Revision date: 20/10/2022 Supersedes: 25/05/2021 Version: 6.0

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

#### 1.1. Product identifier

Product form : Mixture

Trade name : Eni Brake Fluid DOT 4

Product code : 1655
Type of product : Lubricants
Formula : 2010-2022
Product group : Trade product

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use, Consumer use

Industrial/Professional use spec : Used in closed systems

Wide dispersive use

Use of the substance/mixture : Brake fluid

Hydraulic fluid

----

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

Function or use category : Hydraulic fluids and additives

#### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

ENI S.p.A.

P.le E. Mattei 1 - 00144 Rome Italy

Phone: (+39) 06 59821

www.eni.com

Competent person responsible for the Safety Data Sheet (Reg. EC nr. 1907/2006): SDSInfo@eni.com

#### 1.4. Emergency telephone number

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

Poison centre (UK):

National Poisons Information Service Edinburgh (24h)

(+44) 844 892 0111 0870 600 6266 (UK only) (Source: UN-WHO)

#### **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Not classified

#### Adverse physicochemical, human health and environmental effects

None to be reported, according to the present EU regulations. For specific information about the toxicological/ecotoxicological properties and classification of this product, see Sect. 11 and/or Sect. 12.

#### 2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.

# Safety Data Sheet

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

#### 2.3. Other hazards (not relevant for classification)

Other hazards not contributing to the classification

: 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. Vapours may form flammable and explosive mixture with air. In case of contact with eyes, this product may cause irritation. Prolonged and repeated skin contact may cause reddening, irritation and dermatitis. Any substance, in case of accidents involving pressurized circuits and the like, may be accidentally injected under the skin, even without external damage. In such a case, the victim should be brought to an hospital as soon as possible, to get specialized medical treatment. Do not wait for symptoms to develop.

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/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol (143-22-6)	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
2,2' -oxybisethanol; diethylene glycol (111-46-6)	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	
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol(143-22-6)	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
2,2' -oxybisethanol; diethylene glycol(111-46-6)	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

#### **SECTION 3: Composition/information on ingredients**

# 3.1. Substances

Not applicable

#### 3.2. Mixtures

Notes

: Composition/ Information on ingredients: Synthetic base stock (polyglycol)

Rust inhibitor

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP]
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol	CAS-No.: 143-22-6 EC-No.: 205-592-6 EC Index-No.: 603-183-00-0 REACH-no: 01-2119475107- 38	≥1<5	Eye Dam. 1, H318

# Safety Data Sheet

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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP]
2,2'-(ethylenedioxy)diethanol (see note [*])	CAS-No.: 112-27-6 EC-No.: 203-953-2 EC Index-No.: N/A REACH-no: 01-2119438366- 35	≥1<5	Not classified
2,2' -oxybisethanol; diethylene glycol (see note [*])	CAS-No.: 111-46-6 EC-No.: 203-872-2 EC Index-No.: 603-140-00-6 REACH-no: 01-2119457857- 21	≥1<5	Acute Tox. 4 (Oral), H302
1,1'-iminodipropan-2-ol; di-isopropanolamine	CAS-No.: 110-97-4 EC-No.: 203-820-9 EC Index-No.: 603-083-00-7 REACH-no: 01-2119475444- 34	≥1<5	Eye Irrit. 2, H319

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol	CAS-No.: 143-22-6 EC-No.: 205-592-6 EC Index-No.: 603-183-00-0 REACH-no: 01-2119475107- 38	( 20 ≤C < 30) Eye Irrit. 2, H319 ( 30 ≤C ≤ 100) Eye Dam. 1, H318	

Notes : Note [\*]:

substance with national workplace exposure limit(s)

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

#### **SECTION 4: First aid measures**

First-aid measures after ingestion

#### 4.1. Description of first aid measures

First-aid measures after inhalation : In case of symptoms arising from inhalation of product fumes, mists or vapour : Remove to fresh air, keep the casualty warm and at rest. If casualty is unconscious and not breathing: ensure that there is no obstruction to breathing and give artificial respiration by trained

personnel. If necessary, give external cardiac massage and obtain medical advice. If the casualty is breathing: Place in the recovery position. Administer oxygen if necessary. Get

medical advice/ attention.

First-aid measures after skin contact : Take off contaminated clothing and shoes. Wash thoroughly with soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes thoroughly for at least 15 minutes. Keep eyelids well apart. Remove contact lenses, if present and easy to do so. If irritation, blurred vision or swelling occurs and

persists, obtain medical advice from a specialist.

: If the person is fully conscious, make him/her drink plenty of water. Never give an

unconscious person anything to drink. Do not induce vomiting.

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

Symptoms/effects after inhalation : Inhalation may cause irritation (cough, short breathing, difficulty in breathing).

Symptoms/effects after skin contact : Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to

a defatting effect.

Symptoms/effects after eye contact : Contact with eyes may cause temporary reddening and irritation.

Symptoms/effects after ingestion : Accidental ingestion of small quantities of the product may cause nausea, discomfort and

gastric disturbances. If any, nausea and diarrhoea might occur.

Symptoms/effects upon intravenous administration : No information available.

20/10/2022 (Revision date) EN (English) 3/19

# Safety Data Sheet

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

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

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

Treat symptomatically. Obtain medical attention. Obtain medical attention if casualty has an altered state of consciousness or if symptoms do not resolve.

#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

: Dry powder. Carbon dioxide. Water spray. Other extinguishing gases (according to Suitable extinguishing media

regulations).

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable. 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 : Heat may build pressure in tank and containers, rupturing closed vessels, spreading fire and

increasing risk of burns and injuries.

Hazardous decomposition products in case of fire : Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid

particulates, gases, including carbon monoxide, NOx (harmful/toxic gases). Oxygenated compounds (aldehydes, etc.).

## 5.3. Advice for firefighters

Firefighting instructions Stop or contain leak at the source, if safe to do so. Move undamaged containers from immediate hazard area if it can be done safely. Spilled product which is not burning should

be covered with sand or foam. 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 Personal protection equipment for firefighters (see also sect. 8). In case of a large fire or in

confined or poorly ventilated spaces, wear full fire resistant protective clothing and selfcontained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. EN 137. EN 469. EN 659. Do not attempt to take action without suitable protective

equipment.

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

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.

so (e.g. electricity, sparks, fires, flares). Avoid direct contact with released material.

#### Safety Data Sheet

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

#### 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 (preferably gauntlets) providing adequate chemical resistance. Gloves made of PVA are not water-resistant, and are not suitable for emergency use. 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 combined dust/organic vapour filter(s), 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** 

: Notify local authorities according to relevant regulations.

#### 6.2. Environmental precautions

Prevent product from entering sewers, rivers or other bodies of water. 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.

#### 6.3. Methods and material for containment and cleaning up

For containment

: Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid in suitable containers. Clean contaminated area. Dispose of according to local regulations. Large spillages may be cautiously covered with foam, if available, to limit fire risk. When inside buildings or confined spaces, ensure adequate ventilation. 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.

Methods for cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and according to local legislation.

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.

#### 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

This material is combustible, but will not ignite readily. Provide adequate ventilation. Use adequate personal protective equipment as needed. Due to the extremely slippery nature of this material, more care than usual must be exercised in material handling practices to keep off all walking surfaces. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid release to the environment. 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 cleanup, and check the atmosphere for oxygen content and flammability.

Hygiene measures

: Ensure that proper housekeeping measures are in place. Keep away from food and beverages. Avoid contact with skin and eyes. Do not breathe fume/ mist/ vapours. Do not ingest. Do not smoke. Do not clean hands with dirty or oil-soaked rags. Do not re-use clothes, if they are still contaminated. Contaminated materials should not be allowed to accumulate in the workplaces and should never be kept inside the pockets. Take off immediately all contaminated clothing and wash it before reuse. Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

20/10/2022 (Revision date) EN (English) 5/19

# Safety Data Sheet

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

#### 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 oxidants.

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. Keep only in the original

container.

#### 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

2,2'-(ethylenedioxy)diethanol (112-27-6)		
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1]	1000 mg/m³ (Inhalable fraction)	
Limitation of exposure peaks (mg/m³)	2000 mg/m³ (Inhalable fraction)	
Romania - Occupational Exposure Limits		
OEL TWA	700 mg/m³	
OEL TWA (ppm)	114 ppm	
OEL STEL (mg/m³)	1000 mg/m³	
OEL STEL (ppm)	163 ppm	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	1000 mg/m³	
VLE [mg/m³]	2000 mg/m³	
2,2' -oxybisethanol; diethylene glycol (111-46-6)		
Austria - Occupational Exposure Limits		
MAK (OEL TWA)	44 mg/m³	
MAK [ppm]	10 ppm	
MAK (OEL STEL)	176 mg/m³	
MAK Short time value [ppm]	40 ppm	
Denmark - Occupational Exposure Limits		
OEL TWA [1]	22 mg/m³	
OEL TWA [2]	5 ppm	
OEL STEL	11 mg/m³	
Grænseværdi (kortvarig) (ppm)	2,5 ppm	

# Safety Data Sheet

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

2,2' -oxybisethanol; diethylene glycol (111-46-6)		
Germany - Occupational Exposure Limits (TRGS 900)		
AGW (OEL TWA) [1]	10 mg/m³	
AGW (OEL TWA) [2]	44 ppm	
Limitation of exposure peaks (mg/m³)	40 mg/m³	
Limitation of exposure peaks (ppm)	176 ppm	
Ireland - Occupational Exposure Limits		
OEL TWA [1]	100 mg/m³	
OEL TWA [2]	23 ppm	
Latvia - Occupational Exposure Limits		
OEL TWA	10 mg/m³	
Sweden - Occupational Exposure Limits		
NGV (OEL TWA)	45 mg/m³	
Nivågränsvärde (NVG) (ppm)	10 ppm	
KTV (OEL STEL)	90 mg/m³	
KTV (OEL STEL) [ppm]	20 ppm	
United Kingdom - Occupational Exposure Limits		
WEL TWA (OEL TWA) [1]	101 mg/m³	
WEL TWA (OEL TWA) [2]	23 ppm	
Switzerland - Occupational Exposure Limits		
MAK (OEL TWA) [1]	44 mg/m³	
MAK (OEL TWA) [2]	10 ppm	
VLE [mg/m³]	176 mg/m³	
VLE [ppm]	40 ppm	

# 8.1.2. Recommended monitoring procedures

Monitoring methods	
g .	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

Eni Brake Fluid DOT 4		
DNEL/DMEL (additional information)		
Additional information Not applicable		
PNEC (additional information)		
Additional information	Not applicable	
2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol (143-22-6)		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	400 mg/kg bodyweight/day	

# Safety Data Sheet

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

2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE;	triethylene glycol monobutylether; butoxytriethylene glycol (143-22-6)
Acute - systemic effects, inhalation	96 mg/m³
Acute - local effects, dermal	8,35 mg/cm <sup>2</sup>
Acute - local effects, inhalation	96 mg/m³
Long-term - systemic effects, dermal	208 mg/kg bodyweight/day
Long-term - local effects, dermal	5,65 mg/cm²
Long-term - systemic effects, inhalation	195 mg/m³
Long-term - local effects, inhalation	30,5 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	200 mg/kg bodyweight
Acute - systemic effects, inhalation	48 mg/m³
Acute - systemic effects, oral	103,4 mg/kg bodyweight
Acute - local effects, dermal	4,173 mg/cm <sup>2</sup>
Acute - local effects, inhalation	48 mg/m³
Long-term - systemic effects,oral	12,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	12 mg/m³
Long-term - systemic effects, dermal	125 mg/kg bodyweight/day
Long-term - local effects, dermal	2,823 mg/cm <sup>2</sup>
Long-term - local effects, inhalation	15,252 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	10 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	100 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	36,5 mg/kg dwt
PNEC sediment (marine water)	3,65 mg/kg dwt
PNEC (Soil)	
PNEC soil	1,53 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	90 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	200 mg/l
2,2'-(ethylenedioxy)diethanol (112-27-6)	
DNEL/DMEL (additional information)	
Additional information	Not derived - Not classified as hazardous for health
PNEC (additional information)	
Additional information	Not derived - Not classified as hazardous for environment

# Safety Data Sheet

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

2,2' -oxybisethanol; diethylene glycol (111-46-6)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	106 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	44 mg/m³	
Long-term - local effects, inhalation	60 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects, inhalation	12 mg/m³	
Long-term - systemic effects, dermal	21 mg/kg bodyweight/day	
Long-term - local effects, inhalation	12 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	10 mg/l	
PNEC aqua (marine water)	1 mg/l	
PNEC aqua (intermittent, freshwater)	10 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	20,9 mg/kg dwt	
PNEC sediment (marine water)	2,09 mg/kg dwt	
PNEC (Soil)		
PNEC soil	1,53 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	199,5 mg/l	
1,1'-iminodipropan-2-ol; di-isopropanolamine (110-97-4)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	5 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	6,4 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	1,3 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	3,9 mg/m³	
Long-term - systemic effects, dermal	6,3 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0,278 mg/l	
PNEC aqua (marine water)	0,028 mg/l	
PNEC aqua (intermittent, freshwater)	2,777 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	2,33 mg/kg dwt	
PNEC sediment (marine water)	0,233 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0,303 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	15000 mg/l	

#### Safety Data Sheet

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

Note

: 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:

Ensure good ventilation of the work station. Measure concentrations regularly, and at the time of any change occuring in conditions likely to have consequences on workers exposure.

#### 8.2.2. Personal protection equipment

#### Personal protective equipment (for industrial or professional use):

Gloves. Protective clothing. Safety glasses. Safety shoes or boots.

#### Personal protective equipment symbol(s):









#### 8.2.2.1. Eye and face protection

#### Eve protection:

Chemical goggles or safety glasses. EN 166

#### 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.

#### Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Adequate materials: nitrile (NBR) or neoprene with a protection index  $\geq$  5 (permeation time  $\geq$  240 mins). Butyl rubber. 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.

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Not necessary with sufficient ventilation. 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. In case of inadequate ventilation wear respiratory protection (EN 136/140/145). Combined gas/dust mask with filter type: EN 14387. High gas/vapour concentration: gas mask with filter type A

# 8.2.2.4. Thermal hazards

#### Thermal hazard protection:

None in normal use conditions.

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Do not discharge the product into the environment. Prevent discharge of undissolved substance to or recover from onsite wastewater. 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.

# Safety Data Sheet

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

#### **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid
Colour : Pale vellow.

Appearance : Liquid, bright & clear.
Odour : characteristic.

Odour threshold : Lack of data (on mixture / components of the mixture) - Data not available

Melting point : Not applicable
Freezing point : < -70 °C (ASTM D1177)
Boiling point : 260 °C (ASTM D1160)

Flammability : Not applicable

Explosive properties : None (according to composition).

Oxidising properties : None (according to composition).

Explosive limits : Lack of data (on mixture / components of the mixture) - Data not available

Lower explosion limit : 1,5 vol %
Upper explosion limit : Not determined
Flash point : > 125 °C (ASTM D 93)

Auto-ignition temperature : Lack of data (on mixture / components of the mixture) - Data not available

Decomposition temperature : Lack of data (on mixture / components of the mixture) - Data not available

pH : 7 – 11,5 (SAE J1703)

Viscosity, kinematic : > 2 mm²/s (100 °C)

Viscosity, dynamic : Lack of data (on mixture / components of the mixture) - Data not available

Solubility : soluble in water.

Log Kow : Not applicable for mixtures
Log Pow : Not applicable for mixtures
Vapour pressure : < 0,13 kPa (20°C)

Vapour pressure : < 0,13 kPa (20°C Vapour pressure at 50°C : Not determined

Density : 1060 kg/m³ (20 °C) (ASTM D1122)

Relative density : Lack of data (on mixture / components of the mixture) - Data not available Relative vapour density at 20°C : Lack of data (on mixture / components of the mixture) - Data not available

Particle characteristics : Not applicable

#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 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 (in normal conditions of storage and handling).

# 10.3. Possibility of hazardous reactions

None (in normal conditions of storage and handling).

# 10.4. Conditions to avoid

Overheating.

#### 10.5. Incompatible materials

Strong oxidants.

# Safety Data Sheet

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

#### 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.

#### SECTION 11: Toxicological information

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

Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)

Additional information

- : Not classified (Based on available data, the classification criteria are not met)
- : Not classified (Based on available data, the classification criteria are not met)
- : Not classified (Based on available data, the classification criteria are not met)
- : (according to composition)

The ethylene glycol present in this formulation may cause intoxication, central nervous system depression (incoordination, dizziness), respiratory failure, liver and kidney damage.

The effects may be delayed.

The toxic (fatal) dose for pure ethylene glycol has been estimated 1.4 ml/kg wt (about 100

	ml for an adult person).
2-[2-(2-butoxyethoxy)ethoxy]ethano	l; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol (143-22-6)
LD50 oral rat	5000 – 11300 mg/kg bodyweight
LD50 dermal rabbit	3540 mg/kg bodyweight
LC50 Inhalation - Rat	2,4 mg/l/4h (16h)
2,2'-(ethylenedioxy)diethanol (112-2	7-6)
LD50 oral rat	16 ml/kg
LD50 dermal rabbit	16 ml/kg
LC50 Inhalation - Rat	5,2 mg/l/4h
2,2' -oxybisethanol; diethylene glyco	ol (111-46-6)
LD50 oral rat	12565 mg/kg bodyweight
LD50 dermal rabbit	11890 mg/kg bodyweight
1,1'-iminodipropan-2-ol; di-isopropa	nolamine (110-97-4)
LD50 oral rat	> 2000 mg/kg bodyweight
LD50 dermal rabbit	8000 mg/kg bodyweight
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	pH: 7 – 11,5 (SAE J1703) : (according to composition)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	pH: 7 – 11,5 (SAE J1703)
Additional information	<ul> <li>(according to composition)</li> <li>This product contains components with a Specific Concentration Limit (SCL).</li> </ul>
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: (according to composition)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: (according to composition)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: (according to composition)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: (according to composition)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: (according to composition)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Additional information	: (according to composition)

# Safety Data Sheet

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

2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE;	triethylene glycol monobutylether; butoxytriethylene glycol (143-22-6)	
LOAEL (oral, rat, 90 days)	1000 – 1200 mg/kg bodyweight/day	
NOAEL (oral, rat, 90 days)	250 – 400 mg/kg bodyweight/day	
NOAEL (dermal, rat/rabbit, 90 days)	1000 – 4000 mg/kg bodyweight/day	
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	120 – 152,52 mg/l air	
2,2'-(ethylenedioxy)diethanol (112-27-6)		
LOAEC (inhalation,rat,dust/mist/fume,90 days)	494 mg/l	
NOAEC (inhalation,rat, vapour, 90 days)	1 mg/l/6h/day	
1,1'-iminodipropan-2-ol; di-isopropanolamine (110-97-4)		
NOAEL (oral, rat, 90 days)	100 – 500 mg/kg bodyweight/day	
NOAEL (dermal, rat/rabbit, 90 days)	100 – 750	
•	Not classified (Based on available data, the classification criteria are not met) (according to composition)	
Eni Brake Fluid DOT 4		
Viscosity, kinematic	> 2 mm²/s (100 °C)	

#### 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 %

#### 11.2.2. Other information

Potential adverse human health effects and symptoms

Others information

Contact with eyes may cause temporary reddening and irritation, Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to a defatting effect, Inhalation of vapours may cause respiratory irritation, Ingestion may cause nausea, vomiting and diarrhea, Avoid all eye and skin contact and do not breathe vapour and mist

Other information : None

# **SECTION 12: Ecological information**

# **12.1. Toxicity**Ecology - general

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. 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.

Ecology - water

: This product is soluble in water.

Hazardous to the aquatic environment, short–term (acute)

: Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term

: Not classified (Based on available data, the classification criteria are not met)

(chronic)

2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol (143-22-6)		
LC50 fish 1 2 – 15 g/l		
EC50 Daphnia 1	500 – 3141 mg/l	
EC50 72h - Algae [1] 500 – 3211 mg/l		
NOEC chronic fish	411 mg/l (30d)	

# Safety Data Sheet

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

2-[2-(2-butoxyethoxy)ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol (143-22-6)		
NOEC chronic crustacea	314 mg/l (30d)	
NOEC chronic algae	204,5 mg/l (30d)	
2,2'-(ethylenedioxy)diethanol (112-27-6)		
LC50 fish 1	10000 mg/l	
EC50 Daphnia 1	10000 mg/l	
EC50 96h - Algae [1]	20518 mg/l	
NOEC chronic crustacea	1 g/l (23d)	
2,2' -oxybisethanol; diethylene glycol (111-46-6)		
LC50 fish 1	> 1000 mg/l	
EC50 Daphnia 1	> 10000 mg/l (24h)	
1,1'-iminodipropan-2-ol (110-97-4)		
LC50 fish 1	1,466 g/l	
EC50 Daphnia 1	277,7 mg/l	
EC50 72h - Algae [1]	399 mg/l	

# 12.2. Persistence and degradability

Eni Brake Fluid DOT 4	
g ,	The most significant constituents of the product should be considered as "readily biodegradable".

# 12.3. Bioaccumulative potential

Eni Brake Fluid DOT 4		
Log Pow	Not applicable for mixtures	
Log Kow Not applicable for mixtures		
Bioaccumulative potential Bioaccumulation unlikely.		
2,2' -oxybisethanol; diethylene glycol (111-46-6)		
Log Pow -1,98		

# 12.4. Mobility in soil

Eni Brake Fluid DOT 4	
Mobility in soil Not determined	
Ecology - soil	No data available.

# 12.5. Results of PBT and vPvB assessment

Eni Brake Fluid DOT 4		
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		
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 as "Not persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1)		

# Safety Data Sheet

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

#### 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 %

#### 12.7. Other adverse effects

Other adverse effects : None

Additional information : No other effects known

#### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods : Do not dispose of the product, either new or used, by discharging into sewers, tunnels,

lakes or water courses. Deliver to a qualified official collector.

Product/Packaging disposal recommendations : European Waste Catalogue code(s) (Decision 2001/118/CE): 16 01 13\* (brake fluids). 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, d

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

Ecology - waste materials : The product as it is does not contain halogenated substances.

EURAL code (EWC) : 16 01 13\* - brake fluids

#### **SECTION 14: Transport information**

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

ADR	IMDG	IATA	ADN	RID	
14.1. UN number or ID number					
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					
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

## Safety Data Sheet

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

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

#### 14.7. Maritime transport in bulk according to IMO instruments

IBC code : 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

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(b)	2-[2-(2- butoxyethoxy)ethoxy]etha nol; TEGBE; triethylene glycol monobutylether; butoxytriethylene glycol; 2,2'-oxybisethanol; diethylene glycol	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

No ingredients are included in the REACH Candidate list (> 0,1 % m/m).

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

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

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

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

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

Other information, restriction and prohibition regulations

: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). (et seguens). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (et sequens). Directives 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE, 93/88/CEE, 95/63/CE, 97/42/CE, 98/24/CE, 99/38/CE, 99/92/CE, 2001/45/CE, 2003/10/CE, 2003/18/CE (Health and safety on the workplace). Directive 2012/18/CE (Control of major-accident hazards involving dangerous substances). Directive 2004/42/CE (Limitation of emissions of Volatile Organic Compounds). Directive 98/24/EC (protection of the health and safety of workers from the risks related to chemical agents at work). Directive 92/85/CE (measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding). Substances Depleting the Ozone layer (1005/2009) - Annex I Substances (ODP). Regulation EU (649/2012) - Export and Import of hazardous chemicals (PIC). POP (2019/1021) - Persistent Organic Pollutants.

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

#### Germany

Employment restrictions : Employment prohibitions for the protection of young people at work according to § 22

section 1(6) JArbSchG have to be observed.

Employment prohibitions or restrictions on the protection of young people at work according to § 22 JArbSchG in the case of formation of hazardous substances have to be observed.

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

WGK remark

Classification is carried out on the basis of the Ordinance on facilities for handling substances that are hazardous to water (Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV)) of 18 April 2017 (BGBI 2017, Teil I, Nr. 22, Seite

905).

Hazardous Incident Ordinance (12. BlmSchV)
National Rules and Recommendations

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

TRGS 400: Hazard assessment for activities involving Hazardous Substances
TRGS 401: Risks resulting from skin contact - identification, assessment, measures
TRGS 402: Identification and Assessment of the Risks from Activities involving Hazardous

Substances: Inhalation Exposure TRGS 500: Protective measures

TRGS 510: Storage of hazardous substances in non-stationary containers

TRGS 520: Construction and operation of collection points and temporary storage for small

amounts of hazardous waste TRGS 526: Laboratories

TRGS 555: Working instruction and information for workers

TRGS 800: Fire protection measures TRGS 900: Occupational Exposure Limits

Storage class (LGK, TRGS 510) : LGK 10 - Combustible liquids

VbF class (D) : Not applicable.

Netherlands

Saneringsinspanningen : C - Minimize discharge

SZW-lijst van kankerverwekkende stoffen

SZW-lijst van mutagene stoffen

SZW-lijst van reprotoxische stoffen – Borstvoeding
SZW-lijst van reprotoxische stoffen – Sorstvoeding
SZW-lijst van reprotoxische stoffen –

SZW-lijst van reprotoxische stoffen –

None of the components are listed
None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling

: None of the components are listed

Switzerland

Storage class (LK) : LK 10/12 - Liquids

# 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::

 $\hbox{2-[2-(2-but oxyethoxy]ethoxy]ethanol; TEGBE; triethylene glycol monobutylether; but oxytriethylene glycol monobutylethylene glycol$ 

2,2'-(ethylenedioxy)diethanol

2,2' -oxybisethanol; diethylene glycol

1,1'-iminodipropan-2-ol; di-isopropanolamine

#### **SECTION 16: Other information**

Indication of changes			
Section	Changed item	Change	Notes
	Adverse health effects caused by endocrine disrupting properties	Added	
	SDS EU format according to COMMISSION REGULATION (EU) 2020/878		
3	Composition/information on ingredients	Modified	
9.1	Odour	Modified	
9.1	Vapour pressure at 50°C	Added	

# Safety Data Sheet

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

Indication of changes			
Section	Changed item	Change	Notes
9.1	Upper explosive limit (UEL)	Added	
12.4	Mobility in soil	Added	
12.6	Adverse effects on the environment caused by endocrine disrupting properties	Added	

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.	
	N/A = not applicable	
	N/D = not available	
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

: 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.

Training advice

: Provide adequate training to professional operators for the use of PPEs, according to the information contained in this Safety Data Sheet.

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

20/10/2022 (Revision date) EN (English) 18/19

# Safety Data Sheet

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

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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.