

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

### 1.1 Product identifier

**Product name** : FLUIDMATIC D3  
**Product code** : 090167  
**Product description** : Not available.  
**Product type** : Liquid.  
**Other means of identification** : Not available.

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

#### Identified uses

Transmission fluids

#### Uses advised against

Not applicable.

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

TotalEnergies Lubrifiants  
562 Avenue du Parc de L'île  
92029 Nanterre Cedex FRANCE  
Tél: +33 (0)1 41 35 40 00  
Fax: +33 (0)1 41 35 84 71  
rm.msds-lubs@totalenergies.com

TotalEnergies Marketing UK Limited  
10 Upper Bank Street (19th floor)  
Canary Wharf,  
London E14 5BF  
UNITED KINGDOM  
Tel: +44 (0)20 7339 8000  
Fax: +44 (0)20 7339 8033  
rm.gb-msds@totalenergies.com

H.S.E

### 1.4 Emergency telephone number

#### National advisory body/Poison Centre

**Telephone number** : National Poisons Information Service (NPIS): 111

#### Supplier

**Telephone number** : Emergency telephone: +44 1235 239670

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Product definition** : Mixture**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Skin Sens. 1, H317

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements****Hazard pictograms** :**Signal word** : Warning**Hazard statements** : H317 - May cause an allergic skin reaction.**Precautionary statements****General** : P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.**Prevention** : P261 - Avoid breathing gas, vapour or spray.  
P280 - Wear protective gloves.**Response** : P362 + P364 - Take off contaminated clothing and wash it before reuse.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.**Storage** : Not applicable.**Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.**Contains** : Reaction product of: polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates**Supplemental label elements** : Not applicable.**Labelling element REACh Annex XVII** : Not applicable.**2.3 Other hazards****Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII**This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration  $\geq 0,1$  %.

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACh Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

**Other hazards which do not result in classification** : Hazard of slipping on spilt product.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures** : Mixture

Product/ingredient name	Identifiers	%	Classification	Type
Distillates (petroleum), hydrotreated light paraffinic	REACH #: 01-2119487077-29 EC: 265-158-7 CAS: 64742-55-8	≥50 - ≤75	Asp. Tox. 1, H304	[1]
Distillates (petroleum), hydrotreated light naphthenic	REACH #: 01-2119480375-34 EC: 265-156-6 CAS: 64742-53-6 Index: 649-466-00-2	≤3	Asp. Tox. 1, H304	[1]
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	REACH #: 01-2119474889-13 EC: 276-738-4 CAS: 72623-87-1 Index: 649-483-00-5	≤3	Asp. Tox. 1, H304	[1]
Distillates (petroleum), solvent-dewaxed light paraffinic	REACH #: 01-2119480132-48 EC: 265-159-2 CAS: 64742-56-9 Index: 649-469-00-9	≤3	Asp. Tox. 1, H304	[1]
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	REACH #: 01-2119474878-16 EC: 276-737-9 CAS: 72623-86-0 Index: 649-482-00-X	≤3	Asp. Tox. 1, H304	[1]
Reaction product of: polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates	REACH #: 01-0000016426-70 EC: 417-450-2	<1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1A, H317 Aquatic Chronic 3, H412	[1]
methyl-1H-benzotriazole	REACH #: 01-2119979081-35 EC: 249-596-6 CAS: 29385-43-1	≤0.3	Acute Tox. 4, H302 Repr. 2, H361d (oral) Aquatic Chronic 2, H411	[1]
Phenol, dodecyl-, branched	REACH #: 01-2119513207-49 EC: 310-154-3 CAS: 121158-58-5 Index: 604-092-00-9	<0.1	Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360F Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10) <b>See Section 16 for the full text of the H statements declared above.</b>	[1]

**Additional information** : Mineral oil of petroleum origin Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

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

Occupational exposure limits, if available, are listed in Section 8.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**4.2 Most important symptoms and effects, both acute and delayed****Over-exposure signs/symptoms**

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet.

**5.2 Special hazards arising from the substance or mixture**

**Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous combustion products** : carbon monoxide  
carbon dioxide  
nitrogen oxides  
phosphorus oxides  
sulfur oxides  
Hydrogen sulfide  
Mercaptans

**5.3 Advice for firefighters**

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to British standard BS EN 469 will provide a basic level of protection for chemical incidents.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**


**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2 Environmental precautions**

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**6.3 Methods and material for containment and cleaning up**

**Small spill** :  Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**SECTION 6: Accidental release measures**

- Large spill** : Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.
- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**7.1 Precautions for safe handling**

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.  
 See Section 10 for incompatible materials before handling or use.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

**7.3 Specific end use(s)**

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

No exposure limit value known.

**Biological Limit Values (BLV)**

No exposure indices known.



## SECTION 8: Exposure controls/personal protection

**Recommended monitoring procedures** : Reference should be made to monitoring standards, such as the following: British Standard BS EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) British Standard BS EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) British Standard BS EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Advisory OEL** : Mineral oil mist: USA: OSHA (PEL) TWA 5 mg/m3, NIOSH (REL) TWA 5 mg/m3, STEL 10 mg/m3, ACGIH (TLV) TWA 5 mg/m3 (highly refined)

### DNELs/DMELs

Product/substance	Result
Distillates (petroleum), hydrotreated light paraffinic	<b>DNEL - General population - Long term - Oral</b> 0.74 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Dermal</b> 0.97 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - General population - Long term - Inhalation</b> 1.19 mg/m <sup>3</sup> <u>Effects:</u> Local
	<b>DNEL - Workers - Long term - Inhalation</b> 2.73 mg/m <sup>3</sup> <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 5.58 mg/m <sup>3</sup> <u>Effects:</u> Local
OTHER LUBRICANT BASE OILS IP 346 < 3% w/w; Viscosity ≤ 20.5 mm <sup>2</sup> /s at 40°C	<b>DNEL - General population - Long term - Oral</b> 0.74 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Dermal</b> 0.97 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - General population - Long term - Inhalation</b> 1.19 mg/m <sup>3</sup> <u>Effects:</u> Local
	<b>DNEL - Workers - Long term - Inhalation</b> 2.73 mg/m <sup>3</sup> <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 5.58 mg/m <sup>3</sup> <u>Effects:</u> Local
OTHER LUBRICANT BASE OILS IP 346 < 3% w/w; Viscosity ≤ 20.5 mm <sup>2</sup> /s at 40°C	<b>DNEL - General population - Long term - Oral</b> 0.74 mg/kg bw/day <u>Effects:</u> Local



## SECTION 8: Exposure controls/personal protection

**DNEL - General population - Long term - Oral**

0.74 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

0.97 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

1.19 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

2.73 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

5.58 mg/m<sup>3</sup>

Effects: Local

Distillates (petroleum), solvent-dewaxed light paraffinic

**DNEL - General population - Long term - Oral**

0.74 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

0.97 mg/kg bw/day

Effects: Systemic

**DNEL - General population - Long term - Inhalation**

1.19 mg/m<sup>3</sup>

Effects: Local

**DNEL - Workers - Long term - Inhalation**

2.73 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Long term - Inhalation**

5.58 mg/m<sup>3</sup>

Effects: Local

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

**DNEL - Workers - Long term - Inhalation**

5.4 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Long term - Inhalation**

1.2 mg/m<sup>3</sup>

Effects: Local

**DNEL - General population - Long term - Oral**

0.74 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Long term - Dermal**

0.97 mg/kg bw/day

Effects: Systemic

**SECTION 8: Exposure controls/personal protection**

methyl-1H-benzotriazole	<b>DNEL - General population - Long term - Inhalation</b> 1.19 mg/m <sup>3</sup> <u>Effects:</u> Local
	<b>DNEL - Workers - Long term - Inhalation</b> 2.73 mg/m <sup>3</sup> <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 5.58 mg/m <sup>3</sup> <u>Effects:</u> Local
	<b>DNEL - General population - Long term - Oral</b> 0.01 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - General population - Long term - Dermal</b> 0.01 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Dermal</b> 0.3 mg/kg bw/day <u>Effects:</u> Systemic
phenol, dodecyl-, branched	<b>DNEL - General population - Long term - Inhalation</b> 350 µg/m <sup>3</sup> <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 21.2 mg/m <sup>3</sup> <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Inhalation</b> 1.7621 mg/m <sup>3</sup> <u>Effects:</u> Systemic
	<b>DNEL - General population - Long term - Oral</b> 0.075 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - General population - Long term - Dermal</b> 0.075 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - Workers - Long term - Dermal</b> 0.25 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - General population - Long term - Inhalation</b> 0.79 mg/m <sup>3</sup> <u>Effects:</u> Systemic
	<b>DNEL - General population - Short term - Oral</b> 1.26 mg/kg bw/day <u>Effects:</u> Systemic
	<b>DNEL - General population - Short term - Inhalation</b>



## SECTION 8: Exposure controls/personal protection

13.26 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - Workers - Short term - Inhalation**

44.18 mg/m<sup>3</sup>

Effects: Systemic

**DNEL - General population - Short term - Dermal**

50 mg/kg bw/day

Effects: Systemic

**DNEL - Workers - Short term - Dermal**

166 mg/kg bw/day

Effects: Systemic

### PNECs

<u>Product/substance</u>	<u>Result</u>
methyl-1H-benzotriazole	<b>Fresh water</b> 0.008 mg/l
	<b>Marine water</b> 0.02 mg/l
	<b>Fresh water sediment</b> 0.117 mg/kg dwt
	<b>Marine water sediment</b> 0.292 mg/kg dwt
	<b>Soil</b> 0.0187 mg/kg dwt
	<b>Sewage Treatment Plant</b> 39.4 mg/l
phenol, dodecyl-, branched	<b>Fresh water</b> 0.000074 mg/l
	<b>Marine water</b> 0.000074 mg/l
	<b>Fresh water sediment</b> 0.226 mg/kg dwt
	<b>Marine water sediment</b> 0.0266 mg/kg dwt
	<b>Soil</b> 0.118 mg/kg dwt
	<b>Sewage Treatment Plant</b> 100 mg/l

### 8.2 Exposure controls

**SECTION 8: Exposure controls/personal protection**

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : safety glasses with side-shields, EN 166.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Hydrocarbon-proof gloves

nitrile rubber

Fluorinated rubber

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

In case of prolonged contact with the product, it is recommended to wear gloves complying with ISO 21420 and EN 374 standards, protecting at least for 480 minutes and having a thickness of 0,38 mm at least. These values are indicative only. The level of protection is provided by the material of the glove, its technical characteristics, its resistance to the chemicals to be handled, the appropriateness of its use and its replacement frequency

**Body protection** : Wear work clothing with long sleeves.  
Protective shoes or boots.

**Respiratory protection** : Ensure adequate ventilation and check that a safe, breathable atmosphere is present before entry into confined spaces.. In case of inadequate ventilation wear respiratory protection: Type A/P1. Warning ! filters have a limited use duration. The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses..

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature (20°C / 68°F) and pressure (1013 hPa) unless otherwise indicated

**9.1 Information on basic physical and chemical properties****Appearance**

**Physical state** : Liquid. [Clear]

**Colour** : Red.

**Odour** : Characteristic.

**SECTION 9: Physical and chemical properties**

<b>Melting point/freezing point</b>	: Technically not possible to measure
<b>Initial boiling point and boiling range</b>	: >316°C (>600.8°F) [ISO 3405]
<b>Flammability (solid, gas)</b>	: <input checked="" type="checkbox"/> Non-flammable.
<b>Upper/lower flammability or explosive limits</b>	: Lower: 0.9% Upper: 7%
<b>Flash point</b>	: Open cup: >198°C (>388.4°F) [ASTM D 92]
<b>Auto-ignition temperature</b>	: >198°C (>388.4°F) [ASTM E 659]
<b>Decomposition temperature</b>	: Not applicable.
<b>pH</b>	: Not applicable. Product is non-soluble (in water).
<b>Viscosity</b>	: Dynamic (room temperature): Not available. Kinematic (room temperature): Not available. Kinematic (40°C): 34.95 mm <sup>2</sup> /s [ASTM D 445]
<b>Solubility(ies)</b>	:

Media	Result
water	Not soluble

<b>Miscible with water</b>	: No.
<b>Partition coefficient: n-octanol/ water</b>	: Not applicable.
<b>Vapour pressure</b>	: <input checked="" type="checkbox"/> 0.01 kPa (<0.075 mm Hg) [room temperature] Not applicable. [50°C (122°F)]
<b>Relative density</b>	: 0.8435 [ISO EN 3675]
<b>Density</b>	: 0.8435 g/cm <sup>3</sup> [15°C (59°F)] [ISO EN 3675]
<b>Vapour density</b>	: >2 [Air = 1]
<b>Particle characteristics</b>	
<b>Median particle size</b>	: Not applicable.

**9.2 Other information**

<b>Pour point</b>	: -45°C (-49°F)
-------------------	-----------------

**SECTION 10: Stability and reactivity**

<b>10.1 Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: Stable under recommended storage and handling conditions (see Section 7).
<b>10.3 Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: No specific data.
<b>10.5 Incompatible materials</b>	: Strong oxidising agents
<b>10.6 Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Product/substance	Result
Distillates (petroleum), hydrotreated light paraffinic	<p><b>Rat - Oral - LD50</b> &gt;5000 mg/kg OECD [420]</p> <p><b>Rabbit - Dermal - LD50</b> &gt;5000 mg/kg OECD [402]</p> <p><b>Rat - Inhalation - LC50 Dusts and mists</b> &gt;5 mg/l [4 hours] OECD [403]</p>
OTHER LUBRICANT BASE OILS IP 346 < 3% w/w; Viscosity ≤ 20.5 mm <sup>2</sup> /s at 40°C	<p><b>Rat - Oral - LD50</b> &gt;5000 mg/kg OECD [402] <u>Toxic effects:</u> Behavioral - Somnolence (general depressed activity)</p> <p><b>Rat - Inhalation - LC50 Dusts and mists</b> &gt;5 mg/l [4 hours] OECD [403]</p>
OTHER LUBRICANT BASE OILS IP 346 < 3% w/w; Viscosity ≤ 20.5 mm <sup>2</sup> /s at 40°C	<p><b>Rat - Male, Female - Oral - LD50</b> &gt;5000 mg/kg OECD [401 Read across]</p> <p><b>Rabbit - Male, Female - Dermal - LD50</b> &gt;5000 mg/kg OECD [402 Read across]</p> <p><b>Rat - Inhalation - LC50 Dusts and mists</b> 5.1 mg/l [4 hours] OECD [403]</p>
Distillates (petroleum), solvent-dewaxed light paraffinic	<p><b>Rat - Oral - LD50</b> &gt;5000 mg/kg OECD [401]</p> <p><b>Rabbit - Dermal - LD50</b> &gt;5000 mg/kg OECD [402]</p> <p><b>Rat - Inhalation - LC50 Dusts and mists</b> &gt;5 mg/l [4 hours] OECD [403]</p>
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	<p><b>Rat - Oral - LD50</b> &gt;5000 mg/kg OECD [401]</p> <p><b>Rabbit - Dermal - LD50</b> &gt;5000 mg/kg</p>

**SECTION 11: Toxicological information**

OECD [402]

**Rat - Inhalation - LC50 Dusts and mists**

5.53 mg/l [4 hours]

OECD [403]

methyl-1H-benzotriazole

**Rat - Oral - LD50**

720 mg/kg

OECD [401]

**Rabbit - Male, Female - Dermal - LD50**

&gt;2000 mg/kg

OECD [402]

phenol, dodecyl-, branched

**Rat - Oral - LD50**

2100 mg/kg

**Rabbit - Male - Dermal - LD50**

15000 mg/kg

OECD [402]

**Acute toxicity estimates**

Product/substance	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	N/A	N/A	N/A	N/A	5.1
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	N/A	N/A	N/A	N/A	5.53
methyl-1H-benzotriazole	720	N/A	N/A	N/A	N/A
Phenol, dodecyl-, branched	2100	15000	N/A	N/A	N/A

**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation**

Based on available data, the classification criteria are not met.

**Respiratory corrosion/irritation**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization****Skin**

Based on available data, the classification criteria are met.

**Respiratory**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**SECTION 11: Toxicological information**Specific target organ toxicity (single exposure)

Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure)

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Not available.

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness  
dryness  
cracking
- Ingestion** : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposureShort term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

Product/substance	Result
methyl-1H-benzotriazole	<b>Sub-acute - Rat - Male, Female - Oral - NOAEL</b> OECD 150 mg/kg
phenol, dodecyl-, branched	<b>Sub-acute - Rat - Male, Female - Oral - NOAEL</b> OECD [407] 60 mg/kg

- General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**SECTION 11: Toxicological information**

- Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Reproductive toxicity** : No known significant effects or critical hazards.

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

This product does not contain any substance present at a concentration equal to or greater than 0.1% by mass, included in the list drawn up in accordance with article 59, paragraph 1 of the REACH Regulation, due to its endocrine disrupting properties, or a substance known to have endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation 2018/605.

**11.2.2 Other information**

Not available.

**SECTION 12: Ecological information**

This product contains one or more components that have a branched alkylphenol impurity which is very toxic to aquatic life (disclosed in section 3). Components containing the impurity have been tested and are not toxic to aquatic life. Therefore, the data in Section 3 for the alkylphenol impurity should not be used to classify the product for aquatic toxicity.

**12.1 Toxicity**

Product/substance	Result
Distillates (petroleum), hydrotreated light paraffinic	<p><b>Acute - EC50</b> OECD [201] Algae - <i>Pseudokirchnerella subcapitata</i> &gt;100 mg/l [48 hours]</p> <p><b>Acute - EC50</b> OECD [202] Daphnia - <i>Daphnia magna</i> &gt;10000 mg/l [48 hours]</p> <p><b>Chronic - NOEL</b> Fish - <i>Oncorhynchus mykiss</i> &gt;1000 mg/l [21 days]</p> <p><b>Chronic - NOEL</b> OECD [211] Daphnia - <i>Daphnia magna</i> 10 mg/l [21 days]</p>
OTHER LUBRICANT BASE OILS IP 346 < 3% w/w; Viscosity ≤ 20.5 mm <sup>2</sup> /s at 40°C	<p><b>Acute - LC50</b> Fish 5001 mg/l [96 hours]</p> <p><b>Acute - EC50</b> Daphnia - <i>Daphnia magna</i> &gt;1000 mg/l [48 hours]</p>
OTHER LUBRICANT BASE OILS IP 346 < 3% w/w; Viscosity ≤ 20.5 mm <sup>2</sup> /s at 40°C	<p><b>Acute - LL50</b> OECD [203] Fish - <i>Pimephales promelas</i> &gt;100 mg/l [96 hours]</p>

**SECTION 12: Ecological information****Acute - EL50**

OECD [202]  
Crustaceans - *Daphnia magna*  
>10000 mg/l [48 hours]  
Effect: Mobility

**Acute - EL50**

OECD [201]  
Algae - *Pseudokirchneriella subcapitata*  
>100 mg/l [48 hours]  
Effect: (growth rate)

**Chronic - NOEL**

OECD [211]  
Crustaceans - *Daphnia magna*  
>1000 mg/l [21 days]  
Effect: Reproduction

**Chronic - NOEL**

OECD [201]  
Algae - *Pseudokirchneriella subcapitata*  
>100 mg/l [72 hours]  
Effect: (growth rate)

Distillates (petroleum), solvent-dewaxed light paraffinic

**Acute - EL50**

OECD [203]  
Fish - *Pimephales promelas*  
≥100 mg/l [96 hours]

**Acute - EL50**

OECD 202  
Crustaceans - *Daphnia magna*  
10000 mg/l [48 hours]  
Effect: Mobility

**Acute - EL50**

OECD 201  
Algae - *Pseudokirchneriella subcapitata*  
>100 mg/l [72 hours]  
Effect: (growth rate)

**Chronic - NOEL**

OECD [211]  
Crustaceans - *Daphnia magna*  
>1000 mg/l [21 days]  
Effect: Reproduction

**Chronic - NOEL**

OECD [201]  
Algae - *Pseudokirchneriella subcapitata*  
>100 mg/l [72 hours]  
Effect: (growth rate)

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

**Acute - LL50**

OECD 203  
Fish - *Pimephales promelas*



## SECTION 12: Ecological information

>1000 mg/l [96 hours]

**Acute - EL50**

OECD [202]

Crustaceans - *Daphnia magna*

>10000 mg/l [48 hours]

Effect: Mobility

**Acute - EL50**

OECD 201

Algae - *Pseudokircheriella subcapitata*

>100 mg/l [72 hours]

Effect: (growth rate)

**Chronic - NOEL**

OECD 211

Crustaceans - *Daphnia magna*

>1000 mg/l [21 days]

Effect: Reproduction

**Chronic - NOEL**

OECD 201

Algae - *Pseudokircheriella subcapitata*

>100 mg/l [72 hours]

Effect: (growth rate)

methyl-1H-benzotriazole

**Chronic - EC10 - Fresh water**

OECD 201 [201]

Algae - *Desmodesmus subspicatus*

1.18 mg/l [72 hours]

Effect: (growth rate)

**Acute - LC50**

OECD 203

Fish - *Cyprinodon variegatus*

55 mg/l [96 hours]

**Acute - EC50**

OECD 202

Crustaceans - *Daphnia galatea*

8.58 mg/l [48 hours]

Effect: Mobility

**Chronic - NOEC**

OECD 211

Crustaceans - *Daphnia galatea*

0.4 mg/l [21 days]

Effect: Reproduction

**Acute - EC50**

OECD 201

Algae - *Pseudokirchneriella subcapitata*

75 mg/l [72 hours]

Effect: (growth rate)

phenol, dodecyl-, branched

**Acute - EC50**

**SECTION 12: Ecological information**

OECD [201]  
Algae - Algae - *Scenedesmus subspicatus*  
0.15 mg/l [72 hours]

**Acute - EC50**

OECD [202]  
Daphnia - Daphnia - *Daphnia magna*  
0.037 mg/l [48 hours]

**Acute - LC50**

Fish  
40 mg/l [96 hours]

**Chronic - NOEC**

OECD [211]  
Daphnia - Daphnia - *Daphnia magna*  
0.004 mg/l [21 days]

Based on available data, the classification criteria are not met.

**12.2 Persistence and degradability**

Product/substance	Result
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	OECD 301F 31% [28 days] - Not readily
Distillates (petroleum), solvent-dewaxed light paraffinic	OECD 301F 31% [28 days] - Not readily
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	OECD 301F 31% [28 days] - Not readily
methyl-1H-benzotriazole	OECD 301D 4% [28 days] - Not readily

Product/substance	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), hydrotreated light naphthenic	-	-	Not readily
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	-	-	Not readily
Distillates (petroleum), solvent-dewaxed light paraffinic	-	-	Not readily
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	-	-	Not readily
methyl-1H-benzotriazole	-	-	Not readily

**12.3 Bioaccumulative potential**

**SECTION 12: Ecological information**

Product/substance	LogK <sub>ow</sub>	BCF	Potential
Distillates (petroleum), solvent-dewaxed light paraffinic	3.1	-	Low
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	6.1	-	High
methyl-1H-benzotriazole	1.1	-	Low
Phenol, dodecyl-, branched	7.14	1601	High

**12.4 Mobility in soil****Soil/water partition coefficient**

Product/substance	logK <sub>oc</sub>	K <sub>oc</sub>
methyl-1H-benzotriazole	2	110

**Results of PMT and vPvM assessment**

Product/substance	PMT	P	M	T	vPvM	vP	vM
Distillates (petroleum), hydrotreated light paraffinic	No	N/A	N/A	No	N/A	N/A	N/A
Distillates (petroleum), hydrotreated light naphthenic	No	N/A	N/A	No	N/A	N/A	N/A
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	No	N/A	N/A	No	N/A	N/A	N/A
Distillates (petroleum), solvent-dewaxed light paraffinic	No	N/A	N/A	No	N/A	N/A	N/A
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	No	N/A	N/A	No	N/A	N/A	N/A
Reaction product of: polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates	No	N/A	N/A	No	N/A	N/A	N/A
methyl-1H-benzotriazole	N/A	N/A	Yes	Yes	No	N/A	No
Phenol, dodecyl-, branched	N/A	N/A	N/A	Yes	N/A	N/A	N/A

**Mobility** : Not available.**Mobility in soil** : Given its physical and chemical characteristics, the product generally shows low soil mobility. The product is insoluble and floats on water. Loss by evaporation is limited.**12.5 Results of PBT and vPvB assessment**

**SECTION 12: Ecological information**

Product/substance	PBT	P	B	T	vPvB	vP	vB
Distillates (petroleum), hydrotreated light paraffinic	No	N/A	N/A	No	N/A	N/A	N/A
OTHER LUBRICANT BASE OILS IP 346 < 3% w/w; Viscosity ≤ 20.5 mm <sup>2</sup> /s at 40°C	No	N/A	N/A	No	N/A	N/A	N/A
OTHER LUBRICANT BASE OILS IP 346 < 3% w/w; Viscosity ≤ 20.5 mm <sup>2</sup> /s at 40°C	No	N/A	N/A	No	N/A	N/A	N/A
Distillates (petroleum), solvent-dewaxed light paraffinic	No	N/A	N/A	No	N/A	N/A	N/A
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	No	N/A	N/A	No	N/A	N/A	N/A
Reaction product of: polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates	No	N/A	N/A	No	N/A	N/A	N/A
methyl-1H-benzotriazole phenol, dodecyl-, branched	N/A	N/A	N/A	Yes	N/A	N/A	N/A
	No	N/A	No	Yes	No	N/A	No

**12.6 Endocrine disrupting properties**

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

**12.7 Other adverse effects**

No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**13.1 Waste treatment methods****Product****Methods of disposal**

: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste**

: Yes.

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used. The following Waste Codes are only suggestions: 13 02 05\*

**Packaging**

**SECTION 13: Disposal considerations**

- Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14: Transport information**

	ADR/RID	ADN	IMDG	ICAO/IATA
<b>14.1 UN number or ID number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.2 UN proper shipping name</b>	-	-	-	-
<b>14.3 Transport hazard class(es)</b>	-	-	-	-
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5 Environmental hazards</b>	No.	No.	No.	No.

- 14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

- 14.7 Maritime transport in bulk according to IMO instruments** : Not available.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****UK (GB)/REACH****Annex XIV - List of substances subject to authorisation****Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Ozone depleting substances**

Not listed.

**Prior Informed Consent (PIC)**

Not listed.

**SECTION 15: Regulatory information****Persistent Organic Pollutants**

Not listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles****Seveso Directive**

This product is not controlled under the Seveso Directive.

**EU regulations**

Take note of Dir 94/33/EC on the protection of young people at work.

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Industrial emissions (integrated pollution prevention and control) - Air** : Not listed

**Industrial emissions (integrated pollution prevention and control) - Water** : Not listed

**International regulations****Chemical Weapon Convention List Schedules I, II & III Chemicals**

Not listed.

**Montreal Protocol**

Not listed.

**Stockholm Convention on Persistent Organic Pollutants**

Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)**

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**Inventory list**

<b>Australia inventory (AIC)</b>	: All components are listed or exempted.
<b>Canada inventory</b>	: All components are listed or exempted.
<b>China inventory (IECSC)</b>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<b>Europe inventory</b>	: All components are listed or exempted.
<b>Japan inventory</b>	: <input checked="" type="checkbox"/> <b>Japan inventory (CSCL)</b> : At least one component is not listed. <b>Japan inventory (ISHL)</b> : At least one component is not listed.
<b>New Zealand Inventory of Chemicals (NZIoC)</b>	: All components are listed or exempted.
<b>Philippines inventory (PICCS)</b>	: All components are listed or exempted.
<b>Korea inventory (KECI)</b>	: <input checked="" type="checkbox"/> All components are listed or exempted.
<b>Taiwan Chemical Substances Inventory (TCSI)</b>	: All components are listed or exempted.
<b>Thailand inventory</b>	: Not determined.
<b>Turkey inventory</b>	: Not determined.

**SECTION 15: Regulatory information**

- United States inventory (TSCA 8b)** : All components are listed or exempted.  
**Vietnam inventory** : Not determined.

The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations.

- 15.2 Chemical safety assessment** : Risk management measures and safety conditions of use are included in the relevant sections of the SDS

**SECTION 16: Other information**

✔ Indicates information that has changed from previously issued version.

- Abbreviations and acronyms** :
- ACGIH = American Conference of Governmental Industrial Hygienists
  - ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
  - ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
  - ATE = Acute Toxicity Estimate
  - B = Bioaccumulative
  - BCF = Bioconcentration Factor
  - DNEL = Derived No Effect Level
  - DMEL = Derived Minimal Effect Level
  - DMSO = Dimethyl Sulfoxide
  - EC50 = Half maximal effective concentration
  - EL50 = median Effective Loading
  - EUH statement = CLP-specific Hazard statement
  - HSE = Health, Safety and Environment
  - IATA = International Air Transport Association
  - IC50 = Half maximal inhibitory concentration
  - IDHL = Immediately dangerous to life or health
  - IMDG = International Maritime Dangerous Goods
  - IMO = International Maritime Organization
  - LC50 = Median lethal concentration
  - LD50 = Median lethal dose
  - LL50 = median Lethal Loading
  - LogKow = logarithm of the octanol/water partition coefficient
  - M = Mobile
  - N/A = Not available
  - NIOSH = National Institute of Occupational Safety and Health
  - NOAEL = No Observed Adverse Effect Level
  - NOEC = No Observed Effect Concentration
  - NOEL = No Observed Effect Level
  - NOELR = No observed Effect Loading Rate
  - OECD = Organisation for Economic Co-operation and Development
  - OEL = Occupational Exposure Limit
  - OSHA = Occupational Safety and Health Administration.
  - P = Persistent
  - PBT = Persistent, Bioaccumulative and Toxic
  - PNEC = Predicted No Effect Concentration
  - POP = Persistent Organic Pollutants
  - QSAR = Quantitative Structure–Activity Relationship
  - REL = Recommended Exposure Limit
  - RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

**SECTION 16: Other information**

SGG = Segregation Group  
 STEL = Short Term Exposure Limit  
 T = Toxic  
 TLV = Threshold Limit Value  
 TWA = Time Weight Average  
 vB = Very Bioaccumulative  
 vM = Very Mobile  
 VOC = Volatile Organic Compound  
 vP = Very Persistent  
 vPvB = Very Persistent and Very Bioaccumulative  
 vPvM = Very Persistent and Very Mobile  
 Unique Formula Identifier (UFI)  
 UVCB Substance of unknown or Variable composition, Complex reaction products or Biological material

**Procedure used to derive the classification**

Classification	Justification
Skin Sens. 1, H317	Calculation method

**Full text of abbreviated H statements**

H226	Flammable liquid and vapour.
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.
H319	Causes serious eye irritation.
H360F	May damage fertility.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Full text of classifications**

Acute Tox. 4	ACUTE TOXICITY - Category 4
Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 2	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Asp. Tox. 1	ASPIRATION HAZARD - Category 1
Eye Dam. 1	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2	SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 3	FLAMMABLE LIQUIDS - Category 3
Repr. 1B	REPRODUCTIVE TOXICITY - Category 1B
Repr. 2	REPRODUCTIVE TOXICITY - Category 2
Skin Corr. 1C	SKIN CORROSION/IRRITATION - Category 1C
Skin Irrit. 2	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1	SKIN SENSITISATION - Category 1
Skin Sens. 1A	SKIN SENSITISATION - Category 1A

Date of printing : 2025/09/15

Date of issue/ Date of revision : 2025/09/15

Date of previous issue : 2024/09/11



TotalEnergies

# FLUIDMATIC D3

SDS no. 090167  
:

## SECTION 16: Other information

**Version** : 3.02

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.