1. **IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**

1.1. **Product identifier**

Product name: OCTANE BOOSTER

Pure substance/mixture: Mixture

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

Identified uses: Fuel additive.

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

Supplier: TOTAL ADDITIFS ET CARBURANTS SPECIAUX

Place du Bassin

69700 Givors

Tel: +33 (0) 4 72 49 27 00

Fax: +33 (0) 4 78 07 92 49

For further information, please contact

Contact Point: service HSE

E-mail Address: rm.acs-fds@total.com

1.4. **Emergency telephone number**

UK - 01923 694000

NHS Direct: 0845 46 47 / Textphone: 0845 606 46 47

UK: NHS Direct: 0845 46 47 / Textphone: 0845 606 46 47

2. **HAZARDS IDENTIFICATION**

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

REGULATION (EC) No 1272/2008

For the full text of the H-Statements mentioned in this Section, see Section 2.2.

Classification

DIRECTIVE 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16.

The substance/mixture is classified as dangerous in accordance with Directive(s) 67/548/EEC with amendments and/or 1999/45/EC with amendments
2.2. Label elements

Contains Naphthalene, Solvent naphtha (petroleum), heavy arom, Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics, Kerosene

R-phrase(s)
R65 - Harmful: may cause lung damage if swallowed
R40 - Limited evidence of a carcinogenic effect
R66 - Repeated exposure may cause skin dryness or cracking
R67 - Vapours may cause drowsiness and dizziness
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrase(s)
S29 - Do not empty into drains.
S60 - This material and its container must be disposed of as hazardous waste
S61 - Avoid release to the environment. Refer to special instructions/ Safety data sheets
S36/37 - Wear suitable protective clothing and gloves.

2.3. Other hazards

Physical-Chemical Properties
Contaminated surfaces will be extremely slippery.

Environmental properties
Should not be released into the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC-No</th>
<th>REACH Registration Number</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Classification (Dir. 67/548)</th>
<th>GHS Classification</th>
</tr>
</thead>
</table>

Version EU
For the full text of the R-phrases mentioned in this Section, see Section 16. For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice
Show this safety data sheet to the doctor in attendance. If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapours/spray. IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

Skin contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse.

Inhalation
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician. Inhalation of high concentrations of vapour or aerosols may cause irritation of the upper respiratory tract.
Ingestion

If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Clean mouth with water. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion. Smallest quantities reaching the lungs through swallowing or subsequent vomiting may result in lung oedema or pneumonia.

Protection of first-aiders

Use personal protective equipment.

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

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

May cause sensitisation of susceptible persons. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media


Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Special hazard

Vapours may form explosive mixtures with air. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Flash back possible over considerable distance. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

5.3. Precautions for fire-fighters

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
**General Information**

Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Heat, flames and sparks. Ensure adequate ventilation.

**6.2. Environmental precautions**

**General Information**

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Try to prevent the material from entering drains or water courses. Prevention of fire and explosion. A vapour suppressing foam may be used to reduce vapours. Most vapours are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**6.3. Methods and materials for containment and cleaning up**

**Methods for cleaning up**

Dam up. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Ground and bond containers when transferring material. Contain spillage, and then collect with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal. Contain spillage, and then collect with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

**6.4. Reference to other sections**

**Personal protective equipment**

See Section 8 for more detail

**Waste treatment**

See section 13

**7. HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Prevent the formation of vapors, mists and aerosols. There is a hazard associated with rags, paper or any other material used to remove spills which become soaked with product. Avoid accumulation of these; they are to be disposed of safely after use. Avoid static electricity build up by earthing equipment. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. When using, do not eat, drink or smoke. For personal protection see section 8. Use only in well-ventilated areas. Wear suitable protective clothing. NEVER ATTEMPT TO PRIME THE CONTAINER SIPHON BY SUCKING WITH THE MOUTH.
Prevention of fire and explosion

Keep away from open flames, hot surfaces and sources of ignition. Design installations (machinery and equipment) to prevent burning product from spreading (tanks, retention systems, interceptors (traps) in drainage systems). OPERATE ONLY ON COLD AND DEGASSED TANKS IN VENTILATED PREMISES (TO AVOID RISK OF EXPLOSION). Do not use compressed air for filling, discharging or handling. Empty containers may contain flammable or explosive vapours.

Hygiene measures

When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing. Regular cleaning of equipment, work area and clothing is recommended. Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Wash hands with water as a precaution. Avoid breathing vapours, mist or gas.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Keep away from direct sunlight.

Materials to avoid

Strong oxidising agents.

7.3. Specific use(s)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>European Union</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene</td>
<td>TWA 10 ppm TWA 50 mg/m³</td>
</tr>
<tr>
<td>91-20-3</td>
<td></td>
</tr>
<tr>
<td>Pseudocumene</td>
<td>TWA 20 ppm TWA 100 mg/m³</td>
</tr>
<tr>
<td>95-63-6</td>
<td></td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>TWA 20 ppm TWA 100 mg/m³</td>
</tr>
<tr>
<td>108-67-8</td>
<td></td>
</tr>
</tbody>
</table>

Legend

See section 16

8.2. Exposure controls
Occupational Exposure Controls

Engineering measures
Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Personal protective equipment

General Information
These recommendations apply to the product as supplied. If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

Respiratory protection
For rescue and maintenance work in storage tanks use self-contained breathing apparatus.

Eye protection
If splashes are likely to occur, wear: Safety glasses with side-shields.

Skin and body protection

Hand protection
Hydrocarbon-proof gloves for aromatic hydrocarbons. 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. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves.

Environmental exposure controls

General Information
Do not allow material to contaminate ground water system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>amber</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Physical state @20°C</td>
<td>Liquid</td>
<td>characteristic</td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point.boiling range</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 62 °C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

10.1. Reactivity

Stability

Stable under recommended storage conditions.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Hazardous reactions

None under normal processing.

10.4. Conditions to Avoid

Conditions to Avoid

Heating in air. Heat, flames and sparks. Take precautionary measures against static discharges.

10.5. Incompatible materials

Materials to avoid

Strong oxidising agents.

10.6. Hazardous Decomposition Products

No information available

9.2. Other information
Hazardous Decomposition Products
Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity Local effects, Product Information

Skin contact

Eye contact

Inhalation

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Acute toxicity Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</td>
<td>LD50 &gt; 5000 mg/kg bw (rat - OECD 401)</td>
<td>LD50 (24h) &gt; 5000 mg/kg bw (rabbit - OECD 402)</td>
<td>LC50 (8h) &gt; 5000 mg/m³ (vapour) (rat - OECD 403)</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), heavy arom</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 590 mg/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>= 490 mg/kg (Rat)</td>
<td>&gt; 20 g/kg (Rabbit) &gt; 2500 mg/kg (Rat)</td>
<td>&gt; 500 mg/m³ (Rat) 8h</td>
</tr>
<tr>
<td>Kerosene</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 5.28 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Ferrocene</td>
<td>= 1320 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pseudocumene</td>
<td>= 3400 mg/kg (Rat)</td>
<td>&gt; 3160 mg/kg (Rabbit)</td>
<td>= 18 g/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>1,3,5-Trimethylbenzene</td>
<td>= 5000 mg/kg (Rat)</td>
<td></td>
<td>= 24 g/m³ (Rat) 4 h</td>
</tr>
</tbody>
</table>

Sensitisation

Specific effects

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>European Union</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthalene 91-20-3</td>
<td>Carc. 2 (H351)</td>
</tr>
</tbody>
</table>

Repeated Dose Toxicity

Target Organ Effects (STOT)
12. ECOLOGICAL INFORMATION

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Acute aquatic toxicity Product Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to daphnia and other aquatic invertebrates.</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics ^</td>
<td>Erl50 (72h) &gt; 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201)</td>
<td>EL50 (48h) &gt; 1000 mg/l (Daphnia magna - OECD 202)</td>
<td>LL50 (96h) &gt; 1000 mg/l (Oncorhynchus mykiss - OECD 203)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>EbL50 (72h) &gt; 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - growth rate - OECD 201)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), heavy arom</td>
<td>EC50 (72h) = 2.5 mg/L Skeletonema costatum</td>
<td>EC50 (48h) = 0.95 mg/L Daphnia magna</td>
<td>LC50 (96h) = 19 mg/L Pimephales promelas (static) LC50 (96h) = 2.34 mg/L Oncorhynchus mykiss (Lepomis macrochirus) LC50 (96h) = 45 mg/L Pimephales promelas (flow-through) LC50 (96h) = 41 mg/L Pimephales promelas</td>
<td></td>
</tr>
<tr>
<td>64742-94-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphthalene</td>
<td>EC50 (72h) = 0.4 mg/L Skeletonema costatum</td>
<td>LC50 (48h) = 2.16 mg/L Daphnia magna EC50 (48h) = 1.96 mg/L Daphnia magna Flow through EC50 (48h) 1.09 - 3.4 mg/L Daphnia magna Static</td>
<td>LC50 (96h) = 1.6 mg/L Oncorhynchus mykiss (flow-through) LC50 (96h) 5.74-6.44 mg/L Pimephales promelas (flow-through) LC50 (96h) 0.91-2.82 mg/L Oncorhynchus mykiss (static) LC50 (96h) = 1.99 mg/L Pimephales promelas (static) LC50 (96h) = 31.0265 mg/L Lepomis macrochirus (static)</td>
<td>EC50 = 0.93 mg/L 30 min EC50 &gt; 20 mg/L 18 h</td>
</tr>
</tbody>
</table>
### Chronic aquatic toxicity

#### Product Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics</td>
<td>NOELR (21d) = 1,22 mg/l (Daphnia magna - QSAR Petrotox)</td>
<td>NOELR (28d) = 0,17 mg/l (Oncorhynchus mykiss - QSAR Petrotox)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Effects on terrestrial organisms

**12.2. Persistence and Degradability**

General Information
No information available

**12.3. Bioaccumulative potential**

#### Product Information
No information available

#### logPow
No information available

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), heavy arom - 64742-94-5</td>
<td>6.1</td>
</tr>
<tr>
<td>Naphthalene - 91-20-3</td>
<td>3.3</td>
</tr>
<tr>
<td>Pseudocumene - 95-63-6</td>
<td>3.63</td>
</tr>
</tbody>
</table>

**12.4. Mobility in soil**

**12.5. Results of PBT and vPvB assessment**

PBT and vPvB assessment

**12.6. Other adverse effects**
13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues / unused products
Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

Contaminated packaging
Empty containers may contain flammable or explosive vapours. Do not burn, or use a cutting torch on, the empty drum. Empty containers should be taken to an approved waste handling site for recycling or disposal.

EWC Waste Disposal No
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.

Other information
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.

14. TRANSPORT INFORMATION

ADR/RID

| UN/ID No | Environmentally hazardous substance, liquid, n.o.s. |
| hazard class | 9 |
| packing group | III |
| ADR/RID-Labels | 9 |
| Environmental hazard. | yes |
| Classification Code | M6 |
| Special Provisions | 274, 335, 601 |
| Tunnel restriction code | (E) |
| ADR Hazard Id (Kemmler Number) | 90 |
| Description | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvant naphta aromatique lourd (pétrole), Naphthalene), 9, PG III, (E), MIXTURE |
| Excepted Quantity | E1 |
| Limited quantity | LQ7 |

IMDG/IMO

| UN/ID No | Environmentally hazardous substance, liquid, n.o.s. |
| hazard class | 9 |
| packing group | III |
| ADR/RID-Labels | 9 |
| Environmental hazard. | yes |
| Classification Code | M6 |
| Special Provisions | 274, 335, 601 |
| Tunnel restriction code | (E) |
| ADR Hazard Id (Kemmler Number) | 90 |
| Description | UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvant naphta aromatique lourd (pétrole), Naphthalene), 9, PG III, (E), MIXTURE |
| Excepted Quantity | E1 |
| Limited quantity | LQ7 |
### Hazard Class
9

### Packing Group
III

### Marine pollutant
P

### Marine pollutant
This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

### EmS
F-A, S-F

### Description
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvant naphta aromatique lourd (pétrole), Naphthalene), 9, PG III, (60°C c.c.), MARINE POLLUTANT, MIXTURE

### Special Provisions
179, 274, 335, 909

### Excepted Quantity
E1

### Limited quantity
5 L

### ICAO/IATA

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Environmentally hazardous substance, liquid, n.o.s.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>9</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
</tr>
<tr>
<td>ERG Code</td>
<td>9L</td>
</tr>
<tr>
<td>Special Provisions</td>
<td>A97, A158</td>
</tr>
<tr>
<td>Description</td>
<td>UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvant naphta aromatique lourd (pétrole), Naphthalene), 9, PG III, MIXTURE</td>
</tr>
<tr>
<td>Excepted Quantity</td>
<td>E1</td>
</tr>
<tr>
<td>Limited quantity</td>
<td>30 kg G</td>
</tr>
</tbody>
</table>

### ADN

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Environmentally hazardous substance, liquid, n.o.s.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>9</td>
</tr>
<tr>
<td>Hazard Labels</td>
<td>9</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
<tr>
<td>Classification Code</td>
<td>M6</td>
</tr>
<tr>
<td>Special Provisions</td>
<td>274, 335, 601</td>
</tr>
<tr>
<td>Description</td>
<td>UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Solvant naphta aromatique lourd (pétrole), Naphthalene), 9, PG III, MIXTURE</td>
</tr>
<tr>
<td>Excepted Quantity</td>
<td>E1</td>
</tr>
<tr>
<td>Limited quantity</td>
<td>LQ7</td>
</tr>
</tbody>
</table>

**15. REGULATORY INFORMATION**

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

International Inventories

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

Further information

15.2. Chemical Safety Assessment

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R66 - Repeated exposure may cause skin dryness or cracking
R65 - Harmful: may cause lung damage if swallowed
R67 - Vapours may cause drowsiness and dizziness
R40 - Limited evidence of a carcinogenic effect
R22 - Harmful if swallowed
R10- Flammable
R20 - Harmful by inhalation
R37 - Irritating to respiratory system
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R36/37/38 - Irritating to eyes, respiratory system and skin

Abbreviations, acronyms
This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user’s responsibility to ensure that he is subject to no other obligations than those mentioned.

End of Safety Data Sheet