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

1.1. Product identifier
Product form: Mixture
Trade name: AGIP PERMANENT SPEZIAL
EC index no: N/A
EC no: N/A
CAS No.: N/A
Product code: 7148
Formula: 0071-2006
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.: Non-dispersive use
Use of the substance/mixture: Antifreeze.
Function or use category: Anti-freezing agents

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 ROMA Italy
Tel (+39) 06 59821
www.eni.com

Contact:
Refining & Marketing Division
Via Laurentina 449 00142 ROMA Italy
Tel (+39) 06 59881 Fax (+39) 06 59885700

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

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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification according to Directive 67/548/EEC or 1999/45/EC
Xn: R22
Full text of R-phrases: see section 16
Adverse physicochemical, human health and environmental effects

Harmful if swallowed.

2.2. Label elements

Labelling according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols : Xn - Harmful

Hazardous ingredients and/or with relevant occupational exposure limits : Ethanediol

R-phrases : R22 - Harmful if swallowed.
S-phrases : S2 - Keep out of the reach of children.
S46 - If swallowed, seek medical advice immediately and show this container or label.

2.3. Other hazards (not relevant for classification)

Physical/chemical : If the product is handled or used at high temperature, contact with hot product or vapours may cause burns. While not normally combustible, if water content is lost (as in a fire), this material may release flammable vapours if exposed to high temperature.

Health : If the product is handled or used at high temperature, contact with hot product or vapours may cause burns. Any material 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.

Environment : None.
Contaminants : None.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Composition/information on ingredients : Mixture of water and ethylene glycol, with anticorrosion and antifoam additives.
Hazardous ingredients and/or with relevant occupational exposure limits : See table

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Directive 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanediol (Main component)</td>
<td>(CAS No.) 107-21-1</td>
<td>&gt; 49,5</td>
<td>Xn; R22</td>
</tr>
<tr>
<td></td>
<td>(EC no) 203-473-3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(EC index no) 663-027-00-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(REACH-no) 01-2119456816-28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Ethylhexanoic acid, sodium salt (Additive)</td>
<td>(CAS No.) 19766-89-3</td>
<td>0,55 - 1,639</td>
<td>Repr. Cat.3; R63</td>
</tr>
<tr>
<td></td>
<td>(EC no) 243-283-8</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(EC index no) N/A</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(REACH-no) N/D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Full text of R-, H- and EUH-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general: In case of spontaneous vomiting, transport the victim to a hospital, to verify the possibility that the product has been aspirated into the lungs.

First-aid measures after inhalation: In case of disturbances owing to inhalation of vapours or mists, remove the victim from exposure; keep at rest; if necessary, seek medical attention.

First-aid measures after skin contact: Take off contaminated clothing and shoes. Wash thoroughly with soap and water. If inflammation or irritation persists, seek medical advice. In case of contact with hot product, cool affected part with plenty of cold water, and cover with gauze or clean cloth. Call a doctor or bring to an hospital. Do not use salves or ointments, unless directed by doctor. Body hypothermia must be avoided. Do not put ice on the burn.

First-aid measures after eye contact: Rinse eyes thoroughly for at least 15 minutes. Keep eyelids well apart. If irritation persists, seek medical advice. In case of contact with hot product, cool affected part with plenty of cold water, and cover with gauze or clean cloth. Call a doctor or bring to an hospital. Do not use salves or ointments, unless directed by doctor.

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

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

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

Symptoms/injuries after skin contact: Prolonged or repeated skin contact may cause a slight transient irritation. Contact with hot product may cause thermal burns.

Symptoms/injuries after eye contact: Contact with eyes may cause a light transient irritation. Contact with hot product or vapours may cause burns.

Symptoms/injuries after ingestion: Ingestion of significant quantities (see sect. 11) may cause kidney damages, coma and death. The effects may be delayed.

Symptoms/injuries upon intravenous administration: No information available.

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

The casualty should be sent immediately to hospital. Do not wait for symptoms to develop. Seek medical attention in all cases of serious burns.
**SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable extinguishing media: Small-size fires: carbon dioxide, dry chemicals, alcohol-resistant foam, sand or earth. Large fires: alcohol-resistant foam or water fog (mist). These means should be used by trained personnel only.

Unsuitable extinguishing media: Do not use water jets. They could cause splattering, and spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Product with a very low risk of fire. It can create flammable mixtures or burn only when the water content has evaporated.

Explosion hazard: In case of losses from pressurized circuits, the sprays may form mists. Take into account that in this case the lower explosion limit for mists is about 45 g/m³ of air.

Combustion products: Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide, NOx, Oxygenated compounds (aldehydes, etc.), NaOx.

5.3. Advice for firefighters

Firefighting instructions: Shut off source of product, if possible. If possible, move containers and drums away from danger area. 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). Self-contained breathing apparatus.

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

General measures: In case of fire, do not discharge residual product, waste materials and runoff water: collect separately and use a proper treatment. Avoid accidental sprays on hot surfaces or electrical contacts.

6.1.1. For non-emergency personnel

Protective equipment: See Section 8.

Emergency procedures: Stop or contain leak at the source, if safe to do so. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares). Avoid direct contact with released material. Alert emergency personnel. Except in case of small spillages, the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency.

6.1.2. For emergency responders

Protective equipment: Small spillages: normal antistatic working clothes are usually adequate. Large spillages: full body suit of chemically resistant and antistatic material. If necessary heat resistant and insulated. Work gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons. Gloves made of PVA are not water-resistant, and are not suitable for emergency use. If contact with hot product is possible or anticipated, gloves should be heat-resistant and thermally insulated. Work helmet. Antistatic non-skid safety shoes or boots. Goggles and/or face shield, if splashes or contact with eyes is possible or anticipated. Respiratory protection: a half or full-face respirator with filter(s) for organic vapours (AX), 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

Do not let the product flow into sewers, water courses or underground spaces.

6.3. Methods and material for containment and cleaning up

For containment: Soil. 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. Water: This product is soluble in water, and usually no special measures are feasible. If possible, collect spilled product with mechanical means. Notify official Authorities when required. Dispose of in accordance with relevant local regulations.

Other information: Do not use solvents or dispersants, unless specifically advised by an expert, and, if required, approved by local authorities. Recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions.

6.4. Reference to other sections

See Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Ensure that all relevant regulations regarding handling and storage facilities of flammable products are followed. Do not use compressed air for filling, discharging, or handling operations. Keep away from heat/sparks/open flames/hot surfaces. During transfer and mixing operations, ensure that all equipment is correctly grounded. Avoid the build-up of electric charges. Do not weld, solder, drill, cut or incinerate empty containers, unless they have been properly cleaned. Before entering storage tanks and commencing any operation in a confined area (e.g. tunnels), carry out an adequate clean-up, and check the atmosphere for oxygen content and flammability.

Handling temperature: 0 - 65 °C

Hygiene measures: Avoid contact with skin. Do not breathe fume/mist/vapours. Do not ingest. Do not eat, drink or smoke when using this product.

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

Incompatible products: Keep away from: strong acids and strong oxidants.

Incompatible materials: Do not use zinc containers. Use only the original containers or others that have been approved for this product.

Storage temperature: 0 - 55 °C

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.

Packaging materials: For containers, or container linings use materials specifically approved for use with this product. Recommended materials for containers, or container linings use mild steel, stainless steel. Some synthetic materials may be unsuitable for containers or container linings depending on the material specification and intended use. Compatibility should be checked with the manufacturer.
7.3. **Specific end use(s)**

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<table>
<thead>
<tr>
<th>Ethanediol (107-21-1)</th>
<th>Limit value (mg/m³)</th>
<th>Short time value (mg/m³)</th>
<th>TRGS 900 Occupational exposure limit value (mg/m³)</th>
<th>TRGS 900 Limitation of exposure peaks (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>52 mg/m³</td>
<td>104 mg/m³</td>
<td>26 mg/m³</td>
<td>52 mg/m³</td>
</tr>
<tr>
<td>Germany</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACGIH</td>
<td>100 mg/m³ Skin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>52 mg/m³ Skin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td>52 mg/m³ Skin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Switzerland</td>
<td>52 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Netherlands</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Denmark</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

**Appropriate engineering controls**

Before commencing any operation in a confined area (e.g. tunnels), check the atmosphere for oxygen content and flammability.

**Personal protective equipment (for industrial or professional use)**


**Hand protection**

When there is a risk of contact with the skin, use waterproof gloves, resistant to chemical products. Gloves must be felt-lined. Materials that are presumably adequate: nitrile (NBR) or PVC with a protection index > 5 (permeation time > 240 mins). Thickness of glove material: > 0,4 mm. 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.

**Eye protection**

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

**Skin and body protection**

Long-sleeved overalls. If necessary, refer to the EN 340 and related standards, for definition of characteristics and performance according to the risk rating of the area. Antistatic non-skid safety shoes or boots, chemical resistant, if necessary heat resistant and insulated.
Respiratory protection: Independently from other possible actions (technical modifications, operating procedures, and other means to limit the exposure of workers), personal protection equipment can be used according to necessity. Open or well ventilated spaces: if the product is handled without adequate containment: use full or half-face masks with adequate filter for mists and organic vapours. Closed or confined areas (e.g. tank interiors): the use of protection measures for airways (masks or self-contained breathing apparatus), must be assessed according to the specific activity, as well as level and duration of predicted exposure.

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

Environmental exposure controls: Do not discharge the product into the environment. 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.

8.3. Hygiene measures

General protective and hygienic measures: Avoid contact with skin and eyes, Do not breathe vapours or mists, Do not clean hands with dirty or oil-soaked rags, Do not keep dirty rags in the overall pockets, Do not drink, eat or smoke with dirty hands, Wash hands with water and mild soap, do not use solvents or other irritant products which have a defatting effect on the skin, Do not re-use clothes, if they are still contaminated.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Appearance: Liquid, bright & clear.

Molecular mass: Not applicable for mixtures

Colour: Pink.

Odour: Glycol.

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

pH: 7.5 - 8.5

Relative evaporation rate (butylacetate=1): There are no data available on the preparation/mixture itself.

Melting point: ≤ -40 °C (ASTM D1177)

Freezing point: No data available

Boiling point: ≥ 100 °C (ASTM D 1120)

Flash point: > 112 °C This value cannot be determined in a reliable way. Heating the product generates a mixture of steam and other products, which is not easily ignited. The indicated value refers to ethylene glycol as pure substance

Self ignition temperature: > 300 °C (DIN 51794)

Decomposition temperature: No data available

Flammability (solid, gas): No data available
Vapour pressure: < 0.1 mPa

Relative vapour density at 20 °C: No data available

Relative density: No data available

Density: 1071 kg/m³ (20 °C) (ASTM D 1122)

Solubility: Water: Complete.

Log Pow: Not applicable for mixtures

Log Kow: No data available

Viscosity, kinematic: 3 mm²/s (20 °C) (ASTM D 445)

Viscosity, dynamic: No data available

Explosive properties: None.

Oxidising properties: None.

Explosive limits: 3 - 53 vol % (Ethylene glycol)

9.2. Other information

VOC content: = 0 % (EU, CH)

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

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

10.5. Incompatible materials

Strong oxidants and strong acids.

10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Harmful if swallowed.

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

<table>
<thead>
<tr>
<th>AGIP PERMANENT SPEZIAL (N/A)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 dermal rabbit</td>
<td>&gt; 2000 mg/kg bodyweight (Calculated data).</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>&gt; 5 mg/l/4h (Calculated data).</td>
</tr>
</tbody>
</table>
### Irritation
Not classified (Based on available data, the classification criteria are not met) (according to composition)
pH: 7.5 - 8.5

### Corrosivity
Not classified (Based on available data, the classification criteria are not met) (according to composition)
pH: 7.5 - 8.5

### Sensitisation
Not classified (Based on available data, the classification criteria are not met) (according to composition)
This product does not contain any significant amounts of substances classified as sensitizers (in any case < 0.1 % wt)

### Repeated dose toxicity
Not classified (Based on available data, the classification criteria are not met) (according to composition)

### Carcinogenicity
Not classified (Based on available data, the classification criteria are not met) (according to composition)
None of the components of this product are listed as carcinogen by NTP, IARC, OSHA, EU or others.

### Mutagenicity
Not classified (Based on available data, the classification criteria are not met) (according to composition)
This product does not contain any significant amounts of substances classified as mutagenic by the EU (in any case < 0.1 % wt)

### Toxicity for reproduction
Not classified (Based on available data, the classification criteria are not met) (according to composition)

### Potential Adverse human health effects and symptoms
Harmful if swallowed. Prolonged or repeated skin contact may cause a slight transient irritation. Contact with eyes may cause temporary reddening and irritation.

### Other information
None.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Ecology - general**
According to the components, and by comparison with other products of the same type and composition, it is expected that this product has a toxicity for aquatic organisms > 100 mg/l, and must not be regarded as dangerous to the environment. An uncontrolled release to the environment may nevertheless produce a contamination of different environmental compartments (soil, underground, surface water bodies, aquifers). Handle according to general working hygiene practices to avoid pollution and release into the environment.

**Ecology - air**
This product has a low vapour pressure. A significant exposure may happen only if the product is used at high temperature, or in case of sprays and mists.

**Ecology - water**
This product is soluble in water.

### AGIP PERMANENT SPEZIAL (N/A)

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>&gt; 100 mg/l (Calculated data).</td>
</tr>
<tr>
<td>LC50 other aquatic organisms 1</td>
<td>&gt; 100 mg/l (Calculated data).</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 100 mg/l (Calculated data).</td>
</tr>
</tbody>
</table>

**Ethanediol (107-21-1)**

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>&gt; 18500 mg/l 96h</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>10500 - 12700 mg/l 48h</td>
</tr>
<tr>
<td>LC50 other aquatic organisms 2</td>
<td>&gt; ≥ 10000 48h</td>
</tr>
</tbody>
</table>
### 12.2. Persistence and degradability

**AGIP PERMANENT SPEZIAL (N/A)**

**Persistence and degradability**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Property</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediol (107-21-1)</td>
<td>Readily biodegradable.</td>
</tr>
<tr>
<td></td>
<td>Biochemical oxygen demand (BOD)</td>
</tr>
<tr>
<td></td>
<td>Chemical oxygen demand (COD)</td>
</tr>
<tr>
<td></td>
<td>ThOD</td>
</tr>
</tbody>
</table>

### 12.3. Bioaccumulative potential

**AGIP PERMANENT SPEZIAL (N/A)**

**Log Pow**

Not applicable for mixtures

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

**AGIP PERMANENT SPEZIAL (N/A)**

**Results of PBT-vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

### 12.6. Other adverse effects

Other adverse effects

None.

Other information

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

### 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.

**Sewage disposal recommendations**

Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed.

**Waste disposal recommendations**

European Waste Catalogue code(s) (Decision 2001/118/CE): 16 01 14* (antifreeze fluids containing dangerous substances). 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**

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.

**R code/ D code**

### SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

#### 14.1. UN number

No dangerous good in sense of transport regulations.

#### 14.2. UN proper shipping name

Proper Shipping Name

Not applicable
### 14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>Subsidiary risks (IMDG)</th>
<th>--</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subsidiary risks (ICAO)</td>
<td>--</td>
</tr>
</tbody>
</table>

### 14.4. Packing group

| Packing group (UN) | -- |

### 14.5. Environmental hazards

| Other information | None. |

### 14.6. Special precautions for user

| Special transport precautions | None. |

#### 14.6.1. Overland transport

| State during transport (ADR-RID) | Liquid |
| Classification code | -- |
| Limited quantities (ADR) | Not applicable |

#### 14.6.2. Transport by sea

| Port Regulation Law | Not applicable. |
| Limited quantities (IMDG) | Not applicable. |
| EmS-No. (1) | -- |
| MFAG-No. | -- |

#### 14.6.3. Air transport

| Instruction "cargo" (ICAO) | Not applicable. |
| Instruction "passenger" (ICAO) | Not applicable. |
| Instruction "passenger" - Limited quantities (ICAO) | Not applicable. |

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

| IBC code | None. |

### SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions
No ingredients are included in the REACH Candidate list
AGIP PERMANENT SPEZIAL
Safety Data Sheet
According to Regulation (EC) No. 453/2010

Relevant EU Legislation:
- 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)
- Directives 96/82/CE and 2003/105/CE (Control of major-accident hazards involving dangerous substances)
- Directive 2004/42/CE (Limitation of emissions of Volatile Organic Compounds)
- Labelling according to directives 67/548/EEC and 1999/45/EC

VOC content: = 0 % (EU, CH)
EURAL code (EWC): 16 01 14*

15.1.2. National regulations
- Water hazard class (WGK) (D): 1 (according to composition)
- WGK remark: Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS)
- Storage class (LGK) (D): LGK 12 - Non-flammable liquids in non-flammable packages
- VbF class (D): Not applicable.

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information
- Data sources: No chemical safety assessment has been carried out for the substance or the mixture by the supplier. 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.
- Abbreviations and acronyms: Complete text of the phrases H and R quoted in this Safety Data Sheet. These phrases are reported here for information only, and MAY NOT correspond to the classification of the product.
- Training advice: Provide adequate training to professional operators for the use of PPEs, according to the information contained in this Safety Data Sheet.
AGIP PERMANENT SPEZIAL

Safety Data Sheet
According to Regulation (EC) No. 453/2010

Product code: 7148
Revision date: 31/07/2012
Version: 2.0

Other information: Do not use the product for any purposes that have not been advised by the manufacturer. In that case, the user could be exposed to unpredictable risks.

Classification according to Regulation (EC) No. 1272/2008 [CLP]:
Acute Tox. 4 (Oral) H302

Full text of R-, H- and EUH-phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Oral)</th>
<th>Acute toxicity (oral) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Repr. 2</td>
<td>Reproductive toxicity Category 2</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H361d</td>
<td>Suspected of damaging the unborn child.</td>
</tr>
<tr>
<td>R22</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>R63</td>
<td>Possible risk of harm to the unborn child.</td>
</tr>
<tr>
<td>Xn</td>
<td>Harmful</td>
</tr>
</tbody>
</table>

SDS EU (Annex II) GENERAL

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.