SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name : 710 2T
Product code : 16401

1.2. Relevant identified uses of the substance or mixture and uses advised against
2-stroke engine lubricant

1.3. Details of the supplier of the safety data sheet
Registered company name : MOTUL
Address : 119, Boulevard Felix Faure. 93300 AUBERVILLIERS CEDEX FRANCE
Telephone : 33.1.48.11.70.00. Fax: 33.1.48.33.28.79. Telex: .
Email : motul_hse@motul.fr

1.4. Emergency telephone number : +44 (0) 1235 239 670.
Association/Organisation : ORFILA.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture
In compliance with EC regulation No. 1272/2008 and its amendments.
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.
This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements
In compliance with EC regulation No. 1272/2008 and its amendments.
No labelling requirements for this mixture.

2.3. Other hazards
The mixture does not contain substances classified as ‘Substances of Very High Concern’ (SVHC) >= 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table
The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition</th>
<th>Identification</th>
<th>(EC) 1272/2008</th>
<th>Note</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, &lt; 0.03% AROMATICS</td>
<td>CAS: 64742-46-7 EC: 934-956-3 REACH: 01-2119827000-58</td>
<td>GHS08 Dgr Asp. Tox. 1, H304</td>
<td></td>
<td>10 &lt;= x % &lt; 25</td>
</tr>
<tr>
<td>MINERAL OIL</td>
<td>CAS: MELANGE EC: MELANGE</td>
<td>GHS08 Dgr Asp. Tox. 1, H304</td>
<td></td>
<td>2.5 &lt;= x % &lt; 10</td>
</tr>
<tr>
<td>PHENOL BUTENYLATED, AMINATED</td>
<td>EC: POLYMERE</td>
<td>GHS09 Aquatic Chronic 2, H411</td>
<td></td>
<td>1 &lt;= x % &lt; 2.5</td>
</tr>
</tbody>
</table>

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation:
Remove the victim to fresh air. If the symptoms persist, call a physician.

In the event of splashes or contact with eyes:
Wash immediately and abundantly with water, including under the eyelids.

In the event of splashes or contact with skin:
Immediately remove all soiled clothing.
Wash immediately and abundantly with soap and water.

In the event of swallowing:
Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed
No data available.

4.3. Indication of any immediate medical attention and special treatment needed
No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.
Do not breathe in smoke.
In the event of a fire, the following may be formed:
- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters
No data available.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Consult the safety measures listed under headings 7 and 8.
Spilled product may make surfaces slippery.

For first aid worker
First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions
Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.
Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up
Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections
No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling
Always wash hands after handling.
Avoid contact with eyes.
No special precaution apart from the observance of hygiene rules.

Fire prevention:
Prevent access by unauthorised personnel.
Take precautionary measures against static discharges by bonding and grounding equipment.
No smoking.

Recommended equipment and procedures:
For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.
Ensure good ventilation at the workplace

**Prohibited equipment and procedures:**
- No smoking, eating or drinking in areas where the mixture is used.
- Do not breathe fumes, vapour, spray.

**7.2. Conditions for safe storage, including any incompatibilities**
- Store between 5°C and 40°C in a dry, well ventilated place.
- Only use hydrocarbon-resistant containers, joints and pipes.

**Storage**
- Keep out of reach of children.

**Packaging**
- Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**
- No data available.

### SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters**
- No data available.

**8.2. Exposure controls**

**Appropriate engineering controls**
- Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.
- Personnel shall wear regularly laundered overalls.

**Personal protection measures, such as personal protective equipment**
- Use personal protective equipment that is clean and has been properly maintained.
- Store personal protective equipment in a clean place, away from the work area.
- Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**
- Avoid contact with eyes.
- Use eye protectors designed to protect against liquid splashes
- Before handling, wear safety goggles in accordance with standard EN166.

**- Hand protection**
- Wear suitable protective gloves in the event of prolonged or repeated skin contact.
  - Type of gloves recommended:
    - Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
    - Impervious gloves in accordance with standard EN374

**- Body protection**
- Work clothing worn by personnel shall be laundered regularly.
- After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**
- Breathing apparatus only when aerosol or spray are formed.

### SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

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

**General information**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Fluid liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color:</td>
<td>Amber</td>
</tr>
</tbody>
</table>

**Important health, safety and environmental information**

<table>
<thead>
<tr>
<th>pH:</th>
<th>Not relevant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point Interval:</td>
<td>FP &gt; 100°C</td>
</tr>
<tr>
<td>Vapour pressure (50°C):</td>
<td>Below 110 kPa (1.10 bar).</td>
</tr>
<tr>
<td>Density:</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Water solubility:</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>70 mm²/s à 40°C</td>
</tr>
</tbody>
</table>

**9.2. Other information**
- No data available.
SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity
   No data available.

10.2. Chemical stability
   This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions
   No data available.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products
   The thermal decomposition may release/form:
   - carbon monoxide (CO)
   - carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
   No data available.

11.1.1. Substances
   Acute toxicity:
   HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, < 0.03% AROMATICS (CAS: 64742-46-7)
   Oral route:
      LD50 > 5000 mg/kg
      Species: Rat
      OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)
   Dermal route:
      LD50 > 3160 mg/kg
      Species: Rabbit
      OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)
   Inhalation route (Dusts/mist):
      LC50 > 5266 mg/m3
      Species: Rat
      OCDE Ligne directrice 403 (Toxicité aiguë par inhalation)

11.1.2. Mixture
   Skin corrosion/skin irritation:
   Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non allergic contact dermatitis and absorption through the skin.

   Serious damage to eyes/eye irritation:
   Mild eye irritation

   Aspiration hazard:
   *Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.*
   May cause lung damage if swallowed

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances
   HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, < 0.03% AROMATICS (CAS: 64742-46-7)
   Fish toxicity:
      LC50 > 1028 mg/l
      Duration of exposure: 96 h
      OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

   Crustacean toxicity:
      EC50 > 3193 mg/l
      Duration of exposure: 48 h

   Algae toxicity:
      EC50 > 10000 mg/l
      Duration of exposure: 72 h
      ISO 10253 (Essai d'inhibition de la croissance des algues marines avec Skeletonema costatum et Phaeodactylum tricornutum)
MINERAL OIL (CAS: MELANGE)
Fish toxicity : LC50 > 100 mg/l
Crustacean toxicity : EC50 > 10000 mg/l
Algae toxicity : ECr50 > 100 mg/l

12.1.2. Mixtures
No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability
12.2.1. Substances
PHENOL BUTENYLATED, AMINATED
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.
MINERAL OIL (CAS: MELANGE)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.
HYDROCARBONS, C15-C20, N-ALKANES, ISOALKANES, CYCLICS, < 0.03% AROMATICS (CAS: 64742-46-7)
Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential
No data available.
12.3.1. Substances
PHENOL BUTENYLATED, AMINATED
Octanol/water partition coefficient : log Koe = 2.62

12.4. Mobility in soil
Not very mobile in soil.
The product is insoluble in water and will spread on the surface

12.5. Results of PBT and vPvB assessment
No data available.

12.6. Other adverse effects
Do not dispose of the product in the natural environment, effluents or surface waters.

German regulations concerning the classification of hazards for water (WGK) :
WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS
Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods
Do not pour into drains or waterways.
Waste :
Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
Soiled packaging :
Empty container completely. Keep label(s) on container.
Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION
Exempt from transport classification and labelling.

14.1. UN number
-

14.2. UN proper shipping name
-
14.3. Transport hazard class(es)
- 
14.4. Packing group
- 
14.5. Environmental hazards
- 
14.6. Special precautions for user
- 

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:
  The following regulations have been used:
  - EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
  - EU Regulation No. 1272/2008 amended by EU Regulation No. 605/2014.
  - EU Regulation No. 1272/2008 amended by EU Regulation No. 1297/2014.

- Container information:
  No data available.

- Particular provisions :
  No data available.

- German regulations concerning the classification of hazards for water (WGK) :
  WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :
  NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=None

15.2. Chemical safety assessment

Product is not classified health and environmental hazard. Exposure scenarios are not required.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
</tbody>
</table>

Abbreviations :
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation.
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefahrskasse (Water Hazard Class).
PBT: Persistent, bioaccumulative and toxic.
vPvB : Very persistent, very bioaccumulative.
SVHC : Substances of very high concern.