# 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: 16400

### 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: .



### Other emergency numbers

BRAZIL: +55 11 3197 5891 / COLOMBIA: +57 1 508 7337 / ARGENTINA: +54 11 5984 3690 / CHILE: +562 2582 9336

Ireland: +353 1 8092566

UNITED STATES: 001 866 928 0789 / CANADA: 001 800 579 7421 / MEXICO: +52 55 5004 8763 / MIDDLE EAST - AFRICA: +44 1235

239671

24 hours a day, 7 days a week

### **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



# Composition :

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

(Full text of H-phrases: see section 16)

### **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



# Suitable methods of extinction

Dry agent, foam, carbon dioxide.



# Unsuitable methods of extinction

High volume water jet

### 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.

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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

Keep out of the reach of children.

Keep only in the original container.

### 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 eves.

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))

Recommended properties:

- 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:

	pH:	Not relevant.
Important health, safety and environmental information		
	Color:	Amber
	Physical state :	Fluid liquid.

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Floob Doint Intorval:	ED > 100°C

Flash Point Interval :	FP > 100°C.
Vapour pressure (50°C):	Below 110 kPa (1.10 bar).
Density:	<1
Water solubility:	Insoluble.
Viscosity:	70 mm2/s à 40°C

### 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

No data available.



### 10.5. Incompatible materials

No data available.

### 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



# Monograph(s) from the IARC (International Agency for Research on Cancer):

CAS 5989-27-5: IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

# **SECTION 12: ECOLOGICAL INFORMATION**

# 12.1. Toxicity



# 12.1.1. Substances

PHENOL BUTENYLATED, AMINATED

Fish toxicity: LC50 = 7.1 mg/l

Duration of exposure: 96 h

Crustacean toxicity: EC50 = 160 mg/l

Duration of exposure: 48 h

EC50 mg/l

Species : Daphnia magna Duration of exposure : 21 jours

NOEC = 3.2 mg/l

Species : Daphnia magna Duration of exposure : 21 jours

Algae toxicity: ECr50 = 450 mg/l

Species : Selenastrum capricornutum

Duration of exposure: 96 h

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 : ECr50 > 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

Fish toxicity: No observed effect.

NOEC > 1 mg/l

Crustacean toxicity: No observed effect.

Algae toxicity:

No observed effect.

LC50 <= 1 mg/l

Aquatic plant toxicity:

# 12.2. Persistence and degradability



# 12.2.1. Substances

PHENOL BUTENYLATED, AMINATED

Biodegradability: Non-rapidly degradable.

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)

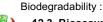
Biodegradability: Rapidly degradable.



# 12.2.2. Mixtures

no degradability data is available, the substance is considered as not

degrading quickly.



### 12.3. Bioaccumulative potential

#### 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, AwSV vom 18/04/2017, KBws):

WGK 2: 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. 2017/776 (ATP 10)

- Container information:

No data available.

# - Particular provisions :

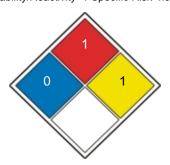
No data available.



- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 2: 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:

H304	May be fatal if swallowed and enters airways.
H411	Toxic to aquatic life with long lasting effects.

### 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 : Wassergefahrdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic. vPvB: Very persistent, very bioaccumulable. SVHC: Substances of very high concern.