



## SAFETY DATA SHEET

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

#### 1.1. Product identifier

Product name : GEAR COMPETITION 75W140

Product code : 34300northamerica

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

Transmission oil

#### 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 (0)1.48.11.70.00. Fax : +33 (0)1.48.33.28.79.

Email: motul\_hse@motul.fr

#### 1.4. Emergency telephone number : +44 (0) 1235 239 670.

Association/Organisation : .

#### Other emergency numbers

UNITED STATES: 001 866 928 0789 / CANADA: 001 800 579 7421 / MEXICO : +52 55 5004 8763

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

### SECTION 2 : HAZARDS IDENTIFICATION

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

##### HCS compliant.

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).

#### 2.2. Label elements

##### HCS compliant.

No labelling requirements for this mixture.

#### 2.3. Other hazards

No data available.

### SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

##### Composition :

Identification	HCS	Nota	%
CAS: 157707-86-3 EC: 500-393-3 REACH: 01-2119493949-12-0000  DEC-1-ENE, TRIMERS, HYDROGENATED	GHS08 Dgr Asp. Tox. 1, H304		10 <= x % < 25
CAS: 68937-96-2 EC: 273-103-3 REACH: 01-2119540515-43  OLEFIN SULFIDE	GHS07 Wng Skin Sens. 1B, H317		2.5 <= x % < 10*
CAS: 68649-11-6 EC: 500-228-5 REACH: 01-2119493069-28  DEC-1-ENE, DIMERS, HYDROGENATED	GHS07, GHS08 Dgr Asp. Tox. 1, H304 Acute Tox. 4, H332		1 <= x % < 2.5
EC: 931-384-6	GHS07, GHS05		1 <= x % < 2.5*

REACH: 01-2119493620-38 AMINE ALKYLE	Dgr Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318		
CAS: MIXTURE EC: MIXTURE MINERAL OIL	GHS08 Dgr Asp. Tox. 1, H304		1 <= x % < 2.5

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

 **Other data :**

\*This substance has a specific concentration limit ( SCL)

**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.

Rinse the mouth with water then drink a lot of water.

Do not induce vomiting without medical advice.

**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**

In the event of a fire, use :

- foam
- powder
- carbon dioxide (CO<sub>2</sub>)

**Unsuitable methods of extinction**

In the event of a fire, do not use :

- 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 (CO<sub>2</sub>)

**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

Use only in well-ventilated areas.

#### 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.

Keep container tightly closed.

Storage life: 24 months.

#### 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

##### 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))

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.

Face shield, boots, fluid-impermeable clothing, safety shoes, if needed.

#### - 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 :

Physical state :	Fluid liquid.
Color:	Blue

#### Important health, safety and environmental information

pH :	Not relevant.
Flash Point Interval :	FP > 100°C (212 °F)
Vapour pressure (50°C) :	Not relevant.
Density :	< 1
Water solubility :	Insoluble.
Viscosity :	169.3 mm <sup>2</sup> /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

Avoid :

- heat
- flames and hot surfaces

### 10.5. Incompatible materials

Keep away from :

- strong oxidising agents

### 10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

## SECTION 11 : TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

No data available.

#### 11.1.1. Substances

##### Acute toxicity :

DEC-1-ENE, DIMERS, HYDROGENATED (CAS: 68649-11-6)

Oral route : LD<sub>50</sub> > 5000 mg/kg  
Species : Rat

Inhalation route (Dusts/mist) : LC<sub>50</sub> = 1.7 mg/l

DEC-1-ENE, TRIMERS, HYDROGENATED (CAS: 157707-86-3)

Oral route : 2000 < LD<sub>50</sub> <= 5000 mg/kg

Species : Rat

**Germ cell mutagenicity :**

AMINE ALKYLE

No mutagenic effect.

**Reproductive toxicant :**

AMINE ALKYLE

No toxic effect for reproduction

**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**

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity****12.1.1. Substances**

OLEFIN SULFIDE (CAS: 68937-96-2)

Crustacean toxicity :

EC50 63 mg/l

Duration of exposure : 48 h

Algae toxicity :

ECr50 &gt; 100 mg/l

Duration of exposure : 72 h

Aquatic plant toxicity :

Duration of exposure : 72 h

REACTION PRODUCTS OF ALCOHOLS, C14-18, C18 UNSAT., ESTERIFIED WITH PHOSPHORUS PENTOXIDE AND SALTED WITH AMINES, C12-14,-TERT-ALKYL

Fish toxicity :

LC50 &gt; 1000 mg/l

Crustacean toxicity :

EC50 = 91 mg/l

Duration of exposure : 48 h

Aquatic plant toxicity :

ECr50 &gt; 10 mg/l

Species : Others

Duration of exposure : 3 h

MINERAL OIL (CAS: MIXTURE)

Fish toxicity :

LC50 &gt; 100 mg/l

Species : Pimephales promelas

Duration of exposure : 96 h

Crustacean toxicity :

EC50 &gt; 10000 mg/l

Duration of exposure : 48 h

NOEC &gt; 10 mg/l

Duration of exposure : 21 jours

Algae toxicity :

ECr50 &gt; 100 mg/l

Species : Scenedesmus quadricauda

Duration of exposure : 72 h

AMINE ALKYLE

Fish toxicity :

LC50 = 24 mg/l

Species : Others  
Duration of exposure : 96 h

NOEC = 3.2 mg/l  
Duration of exposure : 96 h

Crustacean toxicity :  
EC50 = 91.4 mg/l  
Species : Others  
Duration of exposure : 48 h  
  
NOEC = 0.12 mg/l  
Duration of exposure : 21 jours

Algae toxicity :  
ECr50 = 6.4 mg/l  
Species : Selenastrum capricornutum  
Duration of exposure : 96 h  
  
NOEC = 1.7 mg/l  
Species : Selenastrum capricornutum  
Duration of exposure : 96 h

Aquatic plant toxicity :  
1 < ECr50 <= 10 mg/l  
Species : Others

DEC-1-ENE, DIMERS, HYDROGENATED (CAS: 68649-11-6)  
Fish toxicity :  
LC50 > 1000 mg/l  
Duration of exposure : 96 h

Crustacean toxicity :  
EC50 > 1000 mg/l  
Duration of exposure : 48 h  
  
NOEC = 125 mg/l  
Duration of exposure : 21 jours

Aquatic plant toxicity :  
NOEC = 1000 mg/l  
Duration of exposure : 72 h

DEC-1-ENE, TRIMERS, HYDROGENATED (CAS: 157707-86-3)  
Fish toxicity :  
LC50 > 1000 mg/l  
Duration of exposure : 96 h

Crustacean toxicity :  
EC50 > 1000 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h  
  
NOEC = 125 mg/l  
Species : Daphnia magna  
Duration of exposure : 21 jours

Algae toxicity :  
NOEC = 100 mg/l  
Duration of exposure : 72 h



### 12.1.2. Mixtures

## 12.2. Persistence and degradability



### 12.2.1. Substances

REACTION PRODUCTS OF ALCOHOLS, C14-18, C18 UNSAT., ESTERIFIED WITH PHOSPHORUS PENTOXIDE AND SALTED WITH AMINES, C12-14,-TERT-ALKYL

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

MINERAL OIL (CAS: MIXTURE)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

## AMINE ALKYLE

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

## DEC-1-ENE, DIMERS, HYDROGENATED (CAS: 68649-11-6)

Biodegradability : Non-rapidly degradable.

## OLEFIN SULFIDE (CAS: 68937-96-2)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

## DEC-1-ENE, TRIMERS, HYDROGENATED (CAS: 157707-86-3)

Biodegradability : Non-rapidly degradable.

**12.2.2. Mixtures**

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

**12.3. Bioaccumulative potential****12.3.1. Substances**

## DEC-1-ENE, TRIMERS, HYDROGENATED (CAS: 157707-86-3)

Bioaccumulation : BCF > 10

## REACTION PRODUCTS OF ALCOHOLS, C14-18, C18 UNSAT., ESTERIFIED WITH PHOSPHORUS PENTOXIDE AND SALTED WITH AMINES, C12-14,-TERT-ALKYL

Octanol/water partition coefficient : log K<sub>ow</sub> = 8

## DEC-1-ENE, DIMERS, HYDROGENATED (CAS: 68649-11-6)

Octanol/water partition coefficient : log K<sub>ow</sub> > 6.5

## OLEFIN SULFIDE (CAS: 68937-96-2)

Octanol/water partition coefficient : log K<sub>ow</sub> = 6

**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.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

The appropriate waste management of the mixture and/or its container must be determined in accordance with local regulations.

**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**

The following regulations have been used:

- OSHA Hazard Communication Standard 29 CFR 1910.1200

**- Container information:**

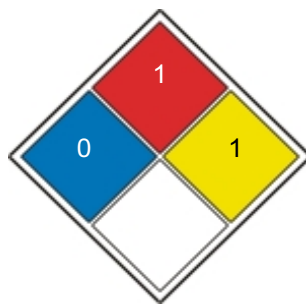
No data available.

**- Particular provisions :**

No data available.

**- 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



**- Clean Water Act : Toxic Pollutants (CWA 307A)**

Unlisted.

**- Clean Water Act : Hazardous Substances (CWA 311)**

Unlisted.

**- Clean Water Act : Hazardous Substances (CWA 304b)**

Unlisted.

**- Clean Water Act : Priority Pollutants (CWA Priority)**

Unlisted.

**- Clean Air Act : Hazardous Air Pollutants (CAA 112(b) HAP (188))**

Unlisted.

**- Clean Air Act : Organic Hazardous Air Pollutants National Emission Standards (CAA 112(b) HON (387))**

Unlisted.

**- Clean Air Act : Protection of Stratospheric Ozone (CAA 602)**

Unlisted.

**- SARA 110**

Unlisted.

**- SARA 302/304**

Unlisted.

**- SARA 313**

Unlisted.

**- California proposition 65 : Chemicals known to the state to cause cancer or reproductive toxicity**

Unlisted.

**- Massachusetts : Right to Know**

Unlisted.

**- New Jersey : Right to Know**

Unlisted.



**- Pennsylvania : Hazardous Substance**

Unlisted.

**- Rhode Island : Hazardous substance list**

Unlisted.

**- TSCA (Toxic Substances Control Act) - USA**

CAS	Name
68937-96-2	OLEFIN SULFIDE
68649-11-6	DEC-1-ENE, DIMERS, HYDROGENATED

**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 :**

H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.

**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.

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

HCS : Hazard Communication standard (OSHA).