



# MATERIAL SAFETY DATA SHEET

Product **HYPOÏD 80W90**

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Revision Date: 30/06/2005

Date of issue: 07/12/1993

## LABEL

LABELLING (of use or EU) Not concerned  
Risks Phrase None  
Advice and Care None  
TRANSPORT LABELLING Not concerned

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **HYPOÏD 80W90**  
Product Code DYTR8090  
Intended Use Transmissions Lubricant

Supplier Dynolite  
ZAC du Cornouiller  
78870 Bailly  
Phone: +33 (0)1 30 80 20 30  
Fax: +33 (0)1 30 80 21 50

Emergency ORFILA (Phone No) : +33 (0)1 45 42 59 59

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

### PREPARATION

Chemical Nature Product based on mineral oils highly refined from petroleum origin which content of Polycyclics Aromatic Hydrocarbons (PAH) is less than 3%, according to the IP 346 regulation.

Reportable Hazardous Substance	EU #	CAS #	Concentration	Symbol	Risk
Olefin sulfide	270-943-2		<1%	-	R-53
Ester amide phosphoric acid salt			<0.3%	N	R-51/53
Alkenylamine	204-015-5		<0.1%	C, N	R-22, 34, 43, 50

Report to section 16 for more information related to the risk classification codes.

## 3. HAZARDS IDENTIFICATION

Health Effect Under normal conditions of use, this product does not present any danger to intoxication.  
Environnement Effect Do not discharge this product in the environment.  
Physio-Chemical Hazard Under normal conditions of use, there is no particular risk of fire or explosion.

## 4. FIRST AID MEASURES

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR ASK FOR EMERGENCY MEDICAL CARE

INHALATION Inhalation of high concentrations of vapors, fumes or spray may irritate the upper respiratory ways.  
Transport the person to fresh air, keep the person warm and at rest.

INGESTION Possible risks of diarrhea and vomiting.  
Do not induce vomiting to avoid the risk of drawing up into the respiratory ways.  
Do not drink.



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SKIN CONTACT

Wash contact areas with soap and water. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

EYE CONTACT

Flush thoroughly with water during at least 15 minutes, if irritation still occurs, seek for medical assistance.

INGESTION

If there was drawing up into the lungs, transport the person immediately to the emergency hospital.

### 5. FIRE FIGHTING MEASURES

#### Report to section 9 – Physical and chemical Properties

EXTINGUISHING MEDIA

- **Appropriate:**

Use Foam, Carbon Dioxide (CO<sub>2</sub>) or Dry Chemical to extinguish flames.

- **Inappropriate:**

NEVER use straight streams of water (Fire Hose) as it could favour the fire dispersal.

FIRE FIGHTING INSTRUCTIONS

Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA).

### 6. ACCIDENTAL RELEASE MEASURES

#### Report to section 8 and 13

SPILL/LEAK MANAGEMENT

- **Land Spill:**

Stop leak if you can do it without risk. Recover by pumping or with suitable absorbent.

- **Water Spill:**

Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

If the product is spilled in water streams or sewers, notify to the authorities of the possible presence of floating material.

### 7. HANDLING AND STORAGE

HANDLING:

Workers Preventing Exposure

Provide adequate ventilation in case of risk of formation of vapors, fumes, mists or aerosols.

Adopt all necessary measures to reduce the risk of exposure, especially to products being used or the waste.

Keep away from flammable material, keep the product away from foods and beverages.

Fire and Explosions Prevention

Empty containers may contain flammable or explosive vapors.

Product-soaked rags, papers or material used to absorb spills present a potential fire hazard, avoid their accumulation and dispose them off immediately and safely after use.



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Cautions

Avoid the accumulation of static electricity by connecting all equipments to the ground.  
Design facilities to avoid the risk of accidental spills (Seal failure) on hot casings and electrical contacts.

STORAGE

Storage Conditions

- **Advised:**

Store at room temperature, away from water, humidity and all sources of ignition.  
Keep containers closed all the time when not in use.

- **Avoid:**

Storage subjected to weather conditions.

Packaging Materials

- **Advised:**

Use only containers, gaskets, pipes, etc... resistant to hydrocarbons.  
Store preferably in the original packaging.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Technical Measures

Use the product in a properly ventilated atmosphere.  
In the case of work in confined spaces (tanks, etc...), ensure a breathable atmosphere and/or wear the recommended equipments.

Exposure Limits Values

Oil mist (VLE) : 10 mg/m<sup>3</sup>, on 15 minutes.  
Oil mist (VME) : 5 mg/m<sup>3</sup>, on 8 hours.

Hand Protection

Waterproof and hydrocarbons resistant gloves (nitrile, neoprene).

Eye Protection

Safety glasses with side shields are recommended in case of spitting.

Skin and Body Protection

According to needs, face shield, boots, product resistant clothing, security shoes (in the case of handling of barrels).  
Do not wear rings, watches or anything similar which can retain the product and cause a skin reaction.

Specific Hygiene Measures

Avoid prolonged or repeated contact with skin, especially with new or used oils.  
Take off immediately all contaminated clothing.  
After contact with skin, wash immediately and thoroughly with soap and water. Do not use abrasives, solvents or fuel.  
Do not dry hands with rags that have been contaminated with oil.  
Do not place the product-soaked rags into the pockets of working clothes.  
Do not eat, drink and smoke during use.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physic State

Liquid

Color

Amber

Odor

Characteristic

Relative Density

890 kg/m<sup>3</sup> at 15°C

Flash Point

> 200°C

Auto-Ignition Temperature

> 250°C

Pour Point

< -25°C

Viscosity

14.3 mm<sup>2</sup>/s at 100°C



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### 10. STABILITY AND REACTIVITY

Stability	Product is stable under normal conditions of storage, handling and use.
Conditions to avoid	Excessive heat (temperatures above the Flash Point). High energy sources of ignition, sparks, flames, static electricity.
Materials to avoid	Avoid contact with strong oxidizers.
Hazardous Decomposition Products	Material does not decompose at ambient temperatures.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY – LOCAL EFFECT:

Inhalation	Improbable hazard in normal condition of use. Inhalation of high concentrations of vapors, fumes or spray may irritate the upper respiratory ways.
Skin Contact	Improbable risk in normal condition of use.
Ingestion	Unlikely damage in the event of ingestion of small quantities. In case of ingestion of larger amounts: abdominal pain, diarrhea, etc... can occur.

#### CHRONIC TOXICITY OR LONG TERM:

Skin Contact	Characteristic skin injuries (oil blisters) may develop following prolonged and repeated contact with contaminated clothing.
Sensitization	To our knowledge, the product do not provoke any sensitization.

### 12. ECOLOGICAL INFORMATIONS

Ecotoxicity	The new product is not considered hazardous to terrestrial plants. It is considered as little dangerous to aquatic organisms. No information is available for used product. No experimental data on the finished product.
Persistence and Degradability	No experimental data on the finished product. However, the fraction "mineral oil" of the finished product is inherently biodegradable. Some components may not be biodegradable.

### 13. DISPOSAL CONSIDERATIONS

Waste Disposal	Waste disposal in accordance with local regulations When appropriate, collection by a licensed collector and regeneration and/or burnout in a licensed facility.
Waste Class	13 02 05
Contaminated Packaging Disposal	Comply with current legislation.



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Laws and Regulations

- France :

Recommendation relating to the waste list of 11.11.97

See waste list (JOCE : L 349 du 16/02/2001)

Law n° 75-633 du 15.07.75 modified, relating to the disposal of waste and materials recycling.

- Regulation relating to the collect of used oils:

Decree 79-981 of 21.11.79 and order of 28.01.99, relating to the collect and condition of elimination.

Law n°88-1261 of 30.12.88 concerning import, export and transit of waste.

Decree n°77-254 of 08.03.77 relating to the regulation of dumping and/or spilling oils and lubricants in the water.

### 14. TRANSPORT INFORMATION

Not concerned by Transports Regulations below:

Land (ADR) : Not Regulated

Rail (RID) : Not Regulated

River (ADNR) : Not Regulated

Sea (IMO/IMDG) : Not Regulated

Air (OACI/IATA) : Not Regulated

### 15. REGULATORY INFORMATION

When used for its intended purposes, this material is not classified as hazardous.

Risks Phrase None

Care Advices None

Other Content:  
Alkenylamine  
Can cause an allergic reaction.

European Guidelines Guidelines 1999/45/CE modified (D. 2001/60/CE), relating to hazardous preparation.

French Regulations

Social Security Code Article L 461-6, Art. D.461-1, annex A, n°601  
Table of Professional Diseases n°36, n°49, n°49 Bis

Labour Code Article R.241-50, order of 11.07.77

### 16. OTHER INFORMATION

This Safety Sheet complies with the standards set by the guidelines 91/15EEC, 93/112/EEC, 2001/58/CE and to the article 14 of the guideline 1999/45/CE.

For France, in case of intoxication, call your local Anti-Poison Center and/or the Emergency Services (15), see also ORFILA (Phone No): +33 (0) 01 45 42 59 59



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Explanations relating to Risks « R »

R-53 May cause harmful long-terms effects on environment.

R-22 Noxious in case of ingestion.

R-51/53 Poisonous to aquatic organisms, may cause harmful long-terms effects on aquatic environment.

R-43 May cause a sensitization by contact with the skin.

R-34 Cause burn mark.

R-50 Very poisonous to aquatic organisms.

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30/06/2005

Cancel and replace the sheet of

07/12/1993

This data sheet complements the technical sheets but does not replace them. All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as the date mentioned.

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