

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 : 90 PA
Product code : 18000

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 : 33.1.48.11.70.00. Fax: 33.1.48.33.28.79. Telex: .
Email : motul_hse@motul.fr

Registered company name (importer): High Performance Lubricants Ltd
21 O'Rorke Road, Penrose, Auckland 1061
PO Box 12 826 Penrose, Auckland, New Zealand 09 571 1366

1.4 24 HOUR EMERGENCY TELEPHONE NUMBER: 09 929 1483/0800 446 881 (toll free)

1.5 NATIONAL POISON LINE 0800 764 766

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

May produce an allergic reaction (EUH208).

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 an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

**Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.
Not regulated for transport of Dangerous Goods.**

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :

EUH208 Contains AMINE ALKYLE. May produce an allergic reaction.

EUH208 Contains SUBSTITUTED THIADIAZOLE. May produce an allergic reaction.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) \geq 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies 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

Substance Identification	(EC) 1272/2008	Note	%
CAS: 64742-54-7 EC: 265-157-1 REACH: 01-2119484627-25 DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC		L	50 <= x % < 100
CAS: 64742-62-7 EC: 265-166-0 REACH: 01-2119480472-38 RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED		L	25 <= x % < 50
EC: 939-591-3 REACH: 01-2119978530-33 REACTION PRODUCTS OF ALCOHOLS, C14-18, C18 UNSAT., ESTERIFIED WITH PHOSPHORUS PENTOXIDE AND SALTED WITH AMINES, C12-14,-TERT-ALKYL	Aquatic Chronic 3, H412		1 <= x % < 2.5
CAS: 91745-46-9 EC: 294-716-2 REACH: 01-2119493620-38 AMINE ALKYLE	GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Chronic 2, H411		0 <= x % < 1
EC: 939-460-0 REACH: 01-2119971727-23 SUBSTITUTED THIADIAZOLE	GHS07, GHS05 Dgr Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam. 1, H318 Aquatic Chronic 3, H412		0 <= x % < 1

Information on ingredients :

Note L: The carcinogen classification does not apply because the substance contains less than 3 % w/w of dimethyl sulphoxide (DMSO) measured using the IP 346 method.

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 :

In the event of an allergic reaction, seek medical attention.
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 :

In the event of an allergic reaction, seek medical attention.
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

In the event of a fire, use :

- foam
- powder
- carbon dioxide (CO₂)

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 (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.

Remove and wash contaminated clothing before re-using.

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

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



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.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

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 :

Physical state :	Fluid liquid.
Color:	Amber

Important health, safety and environmental information

pH :	Not relevant.
Flash Point Interval :	FP > 100°C.
Vapour pressure (50°C) :	Not relevant.
Density :	< 1
Water solubility :	Insoluble.
Viscosity :	150.4 mm ² /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

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 :

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED (CAS: 64742-62-7)

Inhalation route (n/a) : LC50 = 5.53 mg/l
Species : Rat

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Oral route : LD50 > 5000 mg/kg
Species : Rat
OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route : LD50 > 5000 mg/kg
Species : Rabbit
OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée)

Inhalation route (n/a) : LC50 > 5 mg/l
Species : Rat

Skin corrosion/skin irritation :

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED (CAS: 64742-62-7)

Irritation : No observed effect.
Average score < 1.5
Species : Rabbit
Duration of exposure : 72 h

Serious damage to eyes/eye irritation :

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED (CAS: 64742-62-7)

Iritis : Average score = 0
Species : Rabbit
Duration of exposure : 48 h

Conjunctival redness : Average score = 0.33
Species : Rabbit
Duration of exposure : 48 h

Respiratory or skin sensitisation :

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED (CAS: 64742-62-7)

Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.

Germ cell mutagenicity :

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED (CAS: 64742-62-7)
No mutagenic effect.

Carcinogenicity :

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED (CAS: 64742-62-7)
Species : Mouse

Reproductive toxicant :

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED (CAS: 64742-62-7)
No toxic effect for reproduction

Specific target organ systemic toxicity - repeated exposure :

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Oral route : C < 125 mg/kg poids corporel/jour
Species : Mouse
Duration of exposure : 90 jours

Dermal route : C > 1000 mg/kg poids corporel/jour
Species : Rat

Duration of exposure : 28 jours

Inhalation route :

C > 220 mg/litre/6h/jour

Species : Rat

Duration of exposure : 90 jours

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

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

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

SUBSTITUTED THIADIAZOLE

Fish toxicity :

LC50 = 40 mg/l

Species : Pimephales promelas

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 75 mg/l

Duration of exposure : 48 h

Algae toxicity :

ECr50 = 25 mg/l

Duration of exposure : 96 h

AMINE ALKYLE (CAS: 91745-46-9)

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

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

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

Fish toxicity :

LC50 > 1000 mg/l

Crustacean toxicity :

EC50 = 91 mg/l

Duration of exposure : 48 h

Aquatic plant toxicity : ECr50 > 10 mg/l
Species : Others
Duration of exposure : 3 h

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

Fish toxicity : LC50 >= 100 mg/l
Species : Pimephales promelas
OCDE Ligne directrice 203 (Poisson, essai de toxicité aiguë)

Crustacean toxicity : EC50 > 10000 mg/l
Species : Daphnia magna
OCDE Ligne directrice 202 (Daphnia sp., essai d'immobilisation immédiate)

NOEC > 10000 mg/l
Species : Daphnia magna
OCDE Ligne directrice 211 (Daphnia magna, essai de reproduction)

Algae toxicity : Species : Pseudokirchnerella subcapitata

12.1.2. Mixtures

NOEC = 100 mg/l
Duration of exposure : 21 jours
EC50 = 100 mg/l
Duration of exposure : 21 jours
OCDE Ligne directrice 211 (Daphnia magna, essai de reproduction)

12.2. Persistence and degradability**12.2.1. Substances****SUBSTITUTED THIADIAZOLE**

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

AMINE ALKYLE (CAS: 91745-46-9)

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

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.

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED (CAS: 64742-62-7)

Biodegradability : Rapidly degradable.

DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC (CAS: 64742-54-7)

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

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****SUBSTITUTED THIADIAZOLE**

Octanol/water partition coefficient : log K_{ow} > 9.4

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_{ow} = 8

RESIDUAL OILS (PETROLEUM), SOLVENT-DEWAXED (CAS: 64742-62-7)

Octanol/water partition coefficient : log K_{ow} > 3

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. 2016/1179. (ATP 9)

- Container information:

No data available.

- Particular provisions :

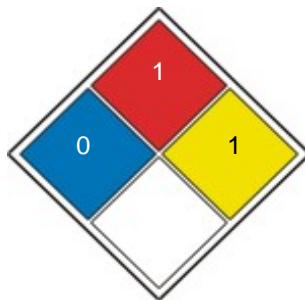
No data available.

- 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.

15.3 NSNO Group Standard

HSR Number	Group Standard
Not Applicable	Not Applicable

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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful 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 : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.