

Safety Data Sheet

Product:

SHELL NATURELLE HF-M

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91505

Version: 1

Date: 2001-01-24

Product labelling (EC).

Not classified as dangerous under EC Directive, 88/379/EEC.

Transport label: Not regulated.

1 Identification of the substance/preparation and company.

Product name: SHELL NATURELLE HF-M

Product code: 91505

Product type: Hydraulic oil.

Name/type of company: Société des Pétroles SHELL

Address: Immeuble "Les Portes de la Défense"
307, rue d'Estienne-d'Orves
92708 Colombes Cedex

Contact numbers: Société des Pétroles SHELL
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Telephone : +33 1 57 60 61 00
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Emergency telephone number: - SHELL (in France - 24/24 h) : +33 4 42 74 51 15
- Centre Anti-Poisons de PARIS : +33 1 40 05 48 48
Hôpital Fernand WIDAL
200, rue du Faubourg St-Denis - 75475 PARIS Cedex 10
- Centre Anti-Poisons de LYON : +33 4 72 11 75 84
Hôpital Edouard HERRIOT
5, Place d'Arsonval - 69437 LYON Cedex 3
- Centre Anti-Poisons de MARSEILLE : +33 4 91 75 25 25
Hôpital SALVATOR
249, bd de Sainte-Marguerite - 13274 MARSEILLE Cedex 9

2 Composition/information on ingredients.

Preparation description: Blend of vegetable oil, esters and additives.

Dangerous components/constituents: On the basis of available information, the components of this preparation are not expected to impart hazardous properties to this product.

3 Hazards Identification.

Principal hazards: (see § 11 et 12).

Human Health Hazards: No specific hazards under normal use conditions.
Prolonged or repeated exposure may give rise to dermatitis.
Used oil may contain harmful impurities.

Environmental hazards: Not classified as dangerous under EC criteria.

Safety hazards: Not classified as flammable but will burn.

Symptoms and effects: Not expected to give rise to an acute hazard under normal conditions of use.

4 First Aid Measures.

IN CASE OF SERIOUS DIFFICULTIES OBTAIN MEDICAL ATTENTION IMMEDIATELY.

First aid - inhalation: In the event of dizziness or nausea, remove casualty to fresh air.
If symptoms persist, obtain medical attention.

First aid - skin: Remove contaminated clothing and wash affected skin with soap and water.
If persistent irritation occurs, obtain medical attention.
If high pressure injection injuries occur, obtain medical attention immediately.

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First aid - eye:	Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
First aid - ingestion:	Wash out mouth with water and obtain medical attention. DO NOT INDUCE VOMITING.
Advice to physicians:	Treat symptomatically Aspiration into the lungs may cause chemical pneumonitis Dermatitis may result from prolonged or repeated exposure

5 Fire Fighting Measures.

Flash point:	> 200 °C.
Extinguishing media:	Foam and dry chemical powder. Carbon dioxide, sand or earth may be used for small fires only.
Unsuitable extinguishing media:	Water in a jet. Use of Halon extinguishers should be avoided for environmental reasons.
Specific hazards:	Combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide, oxides of sulphur, and unidentified organic and inorganic compounds.
Protective equipment:	Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

6 Accidental Release Measures.

Personal precautions:	Avoid contact with: - Skin - Eyes
Personal protection:	Wear impermeable gloves and boots
Environmental precautions:	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. Inform local authorities if this cannot be prevented.
Clean-up methods - small spillage:	Absorb liquid with sand or earth. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.
Clean-up methods - large spillage:	Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Dispose of as for small spills.

7 Handling and Storage.**HANDLING:****Technical steps:**

- Avoidance of workers' exposure:	When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Prevent spillages.
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Storage:	Keep only in original container Keep away from direct sunlight and other sources of heat or ignition. Keep in a cool, dry, well-ventilated place.
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Storage Temperatures:	0 °C minimum at 50 °C maximum.
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8 Exposure Controls/Personal Protection.

Engineering control measures:	Use local exhaust ventilation if there is a risk of inhalation of vapours, mists or aerosols.
Occupational exposure standards:	None established
Respiratory protection:	Not normally required. If oil mist cannot be controlled, a respirator fitted with an organic vapour cartridge combined with a particulate pre-filter should be used.

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Hand protection:	Impermeable and hydrocarbon resistant gloves.
Eye protection:	Wear safety glasses or full face shield if splashes are likely to occur.
Body protection:	Minimise all forms of skin contact. Wear overalls to minimise contamination of personal clothing. Launder overalls regularly.
Hygiene measures:	Wash hands before eating and drinking

9 Physical and Chemical Properties.

Physical state:	Liquid at ambient temperature
Colour:	Red
Odour:	Odourless
Pour point:	circa -42 °C
Flash point:	> 200 °C.
Flammability limit - upper:	Data not available.
Flammability limit - lower:	Data not available.
Density:	920 kg/m ³ at 15 °C.
Kinematic viscosity:	44 mm ² /s at 40 °C.
Solubility in water:	Negligible
n-Octanol/water partition coefficient:	Data not available.

10 Stability/Reactivity.

Stability:	Stable under normal use conditions
Conditions to avoid:	Heat, flames and sparks Extremes of temperature and direct sunlight
Materials to avoid:	Strong oxidising agents
Hazardous decomposition products:	Hazardous decomposition products are not expected to form during normal storage.

11 Toxicological Information.

Toxicological data have not been determined specifically for this product.
Information given is based on a knowledge of the components and the toxicology of similar products.

Information hereafter apply to :

- (H) : Human.
- (A) : Animal.
- (O) : Undetermined - Human and/or Animal.

Acute toxicity - inhalation (O):	Data not available.
Acute toxicity - dermal (A):	LD 50 expected to be above 2000 mg/kg.
Acute toxicity - oral (A):	LD 50 expected to be above 2000 mg/kg.
Respiratory irritation (H):	If vapours are inhaled, slight irritation of the respiratory tract may occur. If mists are inhaled, slight irritation of the respiratory tract may occur.
Skin irritation (O):	Expected to be slightly irritant
Eye irritation (O):	Expected to be slightly irritant
Skin sensitization (O):	Contains < 0.2 % of an additive that is known to be a skin sensitiser.
Carcinogenicity (A):	Components are not known to be associated with carcinogenic effects
Mutagenicity (A):	Not considered to be a mutagenic hazard

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Other information: Prolonged and/or repeated contact with this product can result in defatting of the skin, particularly at elevated temperatures.
This can lead to irritation and possibly dermatitis, especially under conditions of poor personal hygiene.
Skin contact should be minimised.
ALL used oil should be handled with caution and skin contact avoided as far as possible.

12 Ecological information.

Ecotoxicological data have not been determined specifically for this product.
Information given is based on data on the components and the ecotoxicology of similar products.
Liquid under most environmental conditions.

Mobility: * Soil :
If it enters soil, it will adsorb to soil particles and will not be mobile.
* Water :
Floats on water.

Persistence/degradability: Readily biodegradable.

Ecotoxicity: Poorly soluble mixture.
May cause physical fouling of aquatic organisms.

13 Disposal Considerations.

Waste disposal: Used or waste oil should be recycled or disposed of in accordance with prevailing regulations to a recognised collector or contractor.
The only authorized method is the recovery by a recognised collector for regeneration, or burning in recognised facilities.
The competence of the contractor to deal satisfactorily with used oil should be established beforehand.
Used or waste oil should not be allowed to contaminate soil or water.

Container disposal: Drain container thoroughly
After draining, vent in a safe place away from sparks and fire
Keep container labelled.
Deliver to a recognised collector.

Local legislation: Legislation of oils and lubricants spillages into surface, ground- and sea-water :
- Ordinances nr 73-218 of 23.02.1973 and nr 77-254 of 08.03.1977, memorandum of 14.01.1977 and 04.11.1980.
Legislation relating to waste :
- Law nr 75-633 of 15.07.1975 and Ordinance nr 77-974 of 19.08.1977, Ordinance nr 79-981 of 21.11.1979 modified by the Ordinance nr 85-387 of 29.03.1985, and Ordinances nr 89-192 of 24.03.1989 and 89-648 of 31.08.1989, concerning the legislation of the recovery of used oils.
- Law nr 88-1261 of 31.12.1988; Ordinance nr 90-267 of 23.03.1990, relating to import, export and to transit of waste which may be hurtful.
- Law nr 92-646 of 13.07.1992, relating to the waste disposal and to the recovery of materials.
Enforcement order N° 97-157 of 15-05-97 relating to the classification of dangerous waste.
Regulation of 02.02.98 on consumption of water and all kinds emissions of classified installations.

14 Transport Information.

UN Number: None.

International regulations: Not dangerous for conveyance under UN, ADR/RID, IMO/IMDG and IATA/ICAO codes.

Other prevailing regulations:

Local regulations: .

- Arrêtés ADR/RID: Not concerned.

15 Regulatory Information.

Not classified as dangerous under EC Directive, 88/379/EEC.

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EU Classification:	Not classified as dangerous under EU criteria
EU Symbols:	None
* Social Security Code:	Art. L.461-6, art. D.461-1, appendix A, nr 601. List of occupational diseases : Nr 36 - 49 - 65
* Labour Code:	Art. R 241-50, decree of 11.07.1977.
* Nomenclature of waste (see § 13):	13.01.03.

16 Other information

Document emission date: 24/01/2001.

Document edition date: 18/07/2002.

" This safety data sheet completes the technical directions for use but does not replace them.
Information in this Safety Data Sheet is based on our current knowledge of the concerned product. it is bona fide given.
Users have to be aware of the possible risks of an unusual using of the product.
It does not dispense the user from knowing and applying the texts regimenting his activity. He will take the precautionary measures according to his using of the product on his own reponsibility.
The whole mentioned prevailing regulations, aiming at helping the user to do his obligations, does not constitute an exhaustive list.
The user must ensure if any other obligations must be filled."

UFIP model according to 91/155/EEC Directive, to Decree of 05/01/1993 and to NF T 01-102 Norm (except terms used in the first heading) which is technically equivalent to ISO/DIS 11014-1993Norm.

End of document.

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