



SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: HYDRAUNYCOIL FH 51

Product code: FH51-1

Company/undertaking identification:

Registered company name: NYCO S.A..

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Association/Organisation: INRS / ORFILA www.centres-antipoison.net.

Use of the substance/preparation:

Petroleumbased hydraulic fluid

2 - HAZARDS IDENTIFICATION

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

Repeated exposure may cause skin dryness or cracking.

May cause long-term adverse effects in the aquatic environment.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
64742_47_8	64742-47-8	265-148-2	HYDROTREATED NAPHTHENIC DISTILLATE	Xn	53 65 66	50 <= x % < 100

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
8042_47_5	8042-47-5	232-455-8	WHITE MINERAL OIL (PETROLEUM	Xn	66 65	2.5 <= x % < 10

Other substances with occupational exposure limits:

No known substance in this category present.

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.
DO NOT use solvents or thinners.

In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.
If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

5 - FIRE-FIGHTING MEASURES

Not relevant.

Suitable extinguishing media:

Carbon dioxide (CO₂) - Foam - Dry chemicals

Special protective equipment for fire-fighters:

In case of abundant fumes, fire fighters must use self-contained breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Consult the safety measures listed under headings 7 and 8.

**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.

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Handle in well-ventilated areas.

Fire prevention:

Prevent access by unauthorised personnel.

**Recommended equipment and procedures:**

Packages which have been opened must be reclosed carefully and stored in an upright position

**Storage:**

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

**Technical measures:**

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

Personnel shall wear regularly laundered overalls.

If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

**Respiratory protection:**

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

Yes in case of mist formation

**Hand protection:**

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

Eye and face protection:

Use eye protectors designed to protect against liquid splashes

9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:

Physical state:	fluid liquid
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Important health, safety and environmental information:

pH of the substance or preparation:	neutral.
When a pH measure is possible, it has a value of:	not stated.
Boiling point/boiling range:	not specified.
Flash point interval:	Flash point > 60°C
Flash point:	95.00 °C.
Vapour pressure:	Between 175 kPa and 300 kPa inclusive.
Density:	< 1
Density:	0.874 kg/dm ³ @ 20°C
Water solubility:	Insoluble.
Viscosity:	14 mm ² /s @ 40°C

Other information:

melting point/melting range:	-66 °C.
Self-ignition temperature:	not specified.
Decomposition point/decomposition range :	not specified.
VOC (g/l):	719

10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide


Hazardous decomposition products:

By burning : carbon mono- and di-oxides

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as: Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

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

Ecotoxicity:

May cause long-term adverse effects in the aquatic environment.

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

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.

Codes of wastes (Decision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste) :

13 01 10


14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2007 - IMDG 2006 - ICAO/IATA 2007).

**15 - REGULATORY INFORMATION**

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations. In addition directive 2008/58/EC with the 30° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account. This product is not classed as flammable.

**Particular hazards associated with the preparation and safety recommendations:**

R 53	May cause long-term adverse effects in the aquatic environment.
R 66	Repeated exposure may cause skin dryness or cracking.
S 61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

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 product must not be used for any purposes other than those specified under heading 1 without first obtaining 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 given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 3:

R 53	May cause long-term adverse effects in the aquatic environment.
R 65	Harmful: may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.