



# NYCO

## HYDRAUNYCOIL FH 42

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 15/10/2012 Revision date: 11/02/2019 Supersedes: 22/11/2017 Version: 3.2

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product form : Mixture  
Trade name : HYDRAUNYCOIL FH 42  
Product code : FH42-2

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

#### 1.2.1. Relevant identified uses

Main use category : Industrial use  
Use of the substance/mixture : synthetic hydraulic oils  
Function or use category : Lubricant

#### 1.2.2. Uses advised against

No additional information available

Supplied by:  
**Sil-Mid Limited**  
Roman Park, Roman Way  
Coleshill, West Midlands  
B46 1HG, UK  
T: 01675 432850  
E: [info@silmid.com](mailto:info@silmid.com)

**Emergency Telephone No.** +44 (0)1675 432850  
(Monday to Friday, 08:00 – 17:30 – GMT)

### 1.3. Details of the supplier of the safety data sheet

NYCO  
66 Avenue des Champs Elysées - BP414  
75366 Paris Cedex 08 - France  
T +33 (0)1 45 61 50 00  
[info@nyco.fr](mailto:info@nyco.fr) - [www.nyco.fr](http://www.nyco.fr)

### 1.4. Emergency telephone number

Emergency number : +33 (0)1 45 42 59 59  
INRS/ORFILA (France) : 33 1 45 42 59 59

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Inhalation:dust,mist) H332  
Asp. Tox. 1 H304  
Aquatic Chronic 3 H412  
Full text of hazard classes and H-statements : see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) : Danger  
Hazardous ingredients : Hydrogenated dimerization products of 1-decene and Reaction products of 1-decene, hydrogenated; Dec-1-ene, Trimers, Hydrogenated  
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.  
H332 - Harmful if inhaled.  
H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P261 - Avoid breathing vapours.  
P273 - Avoid release to the environment.  
P301+P310+P331 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER. Do NOT induce vomiting.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 - Call a POISON CENTER/doctor if you feel unwell.  
P405 - Store locked up.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

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### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogenated dimerization products of 1-decene and Reaction products of 1-decene, hydrogenated	(EC-No.) 931-652-2 (REACH-no) 01-2119537268-33	50 - 100	Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304
Dec-1-ene, Trimers,Hydrogenated	(CAS-No.) 157707-86-3 (EC-No.) 500-393-3 (REACH-no) 01-2119493949-12	10 - 25	Asp. Tox. 1, H304
Phenol,isopropylated,phosphate	(CAS-No.) 68937-41-7 (EC-No.) 273-066-3 (REACH-no) 01-2119535109-41	0 - 2,49	Repr. 2, H361fd STOT RE 2, H373 Aquatic Chronic 1, H410
Xylene substance with national workplace exposure limit(s) (GB)	(CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index-No.) 601-022-00-9 (REACH-no) 01-2119488216-32	0 - 0,01	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Seek medical advice (show the label where possible).
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of soap and water. Seek medical advice (show the label where possible).
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice (show the label where possible).
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Seek medical advice (show the label where possible).

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	: At high concentrations, the vapours can be irritating to the respiratory system.
Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Possible irritation of mucous membranes and digestive tract, nausea, vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Foam. Dry powder. Carbon dioxide.
Unsuitable extinguishing media	: Strong water jet.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: On burning: release of harmful/irritant gases/vapours. Carbon oxides (CO, CO2).
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### 5.3. Advice for firefighters

Precautionary measures fire	: Protective equipment.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: See Headings 7 and 8.
Emergency procedures	: For a large spillage, contain the spillage by bunding.

#### 6.1.2. For emergency responders

Protective equipment	: See Headings 7 and 8.
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Emergency procedures : For a large spillage, contain the spillage by bunding.

### 6.2. Environmental precautions

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : Stable at ambient temperature and under normal conditions of use.

Precautions for safe handling : Wear suitable protective clothing. Personal protective equipment. When using do not eat, drink or smoke. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Avoid spilling the product, as this might cause falls. Provide local exhaust or general room ventilation.

Hygiene measures : When using do not eat or drink. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area.

Special rules on packaging : Store in original container. Keep container closed when not in use.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Hydrogenated dimerization products of 1-decene and Reaction products of 1-decene, hydrogenated

EU	IOELV TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup> Aerosols: thoracic fraction (inhalable)
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#### Xylene (1330-20-7)

United Kingdom	Local name	Xylene
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	220 mg/m <sup>3</sup> o-,m-,p- or mixed isomers
United Kingdom	WEL TWA (ppm)	50 ppm o-,m-,p- or mixed isomers
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	441 mg/m <sup>3</sup> o-,m-,p- or mixed isomers
United Kingdom	WEL STEL (ppm)	100 ppm o-,m-,p- or mixed isomers
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

#### Phenol,isopropylated,phosphate (68937-41-7)

##### DNEL/DMEL (Workers)

Acute - systemic effects, dermal	2000 mg/kg bodyweight/day
Acute - systemic effects, inhalation	700 mg/m <sup>3</sup>
Acute - local effects, dermal	16 mg/cm <sup>2</sup>
Long-term - systemic effects, dermal	0,417 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,145 mg/m <sup>3</sup>

##### DNEL/DMEL (General population)

Acute - systemic effects, dermal	100 mg/kg bodyweight
Acute - systemic effects, inhalation	350 mg/m <sup>3</sup>
Acute - systemic effects, oral	50 mg/kg bodyweight
Acute - local effects, dermal	8 mg/cm <sup>2</sup>
Long-term - systemic effects,oral	0,04 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,07 mg/m <sup>3</sup>

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Phenol,isopropylated,phosphate (68937-41-7)	
Long-term - systemic effects, dermal	0,208 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,00031 mg/l
PNEC aqua (marine water)	0,000031 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,185 mg/kg dwt
PNEC sediment (marine water)	> 0,019 mg/kg dwt
PNEC (Soil)	
PNEC soil	1 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

### 8.2. Exposure controls

#### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Hand protection:
Chemical resistant gloves (according to European standard NF EN 374 or equivalent)
Eye protection:
Safety glasses with side shields
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
No personal breathing protective equipment is normally required

#### Personal protective equipment symbol(s):



#### Environmental exposure controls:

Do not flush into surface water or sewer system.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -76 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 172 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0,832 kg/l @20°C

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Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: 6,81 mm <sup>2</sup> /s @40°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Elevated temperature.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Harmful if inhaled.

ATE CLP (dust,mist)	2,002 mg/l/4h
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### Hydrogenated dimerization products of 1-decene and Reaction products of 1-decene, hydrogenated

LD50 oral rat	> 5000 mg/kg (Results obtained on a similar product)
LD50 dermal rabbit	> 2000 mg/kg (Results obtained on a similar product)
LC50 inhalation rat (mg/l)	1,17 mg/l/4h (Results obtained on a similar product)

### Dec-1-ene, Trimers,Hydrogenated (157707-86-3)

LD50 oral rat	> 2000 mg/kg
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### Phenol,isopropylated,phosphate (68937-41-7)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 inhalation rat (mg/l)	> 200 mg/l

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

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Viscosity, kinematic	6,81 mm <sup>2</sup> /s @40°C
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### SECTION 12: Ecological information

#### 12.1. Toxicity

Acute aquatic toxicity : Not classified  
Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

#### Hydrogenated dimerization products of 1-decene and Reaction products of 1-decene, hydrogenated

LC50 fish 1	> 1000 mg/l 96h:Oncorhynchus mykiss
EC50 Daphnia 1	> 1000 mg/l 48h:Daphnia magna
ErC50 (algae)	> 1000 mg/l 72h:Algae
NOEC (acute)	> 1000 mg/l 72h:Algae
NOEC chronic crustacea	125 mg/l 21d:Daphnia magna

#### Dec-1-ene, Trimers,Hydrogenated (157707-86-3)

LC50 fish 1	> 1000 mg/l 96h
EC50 Daphnia 1	> 1000 mg/l 48h
NOEC (acute)	1000 mg/l 72h:Algae
NOEC chronic crustacea	125 mg/l 21d:Daphnia magna

#### Phenol,isopropylated,phosphate (68937-41-7)

LC50 fish 1	1,6 mg/l 96h:Oncorhynchus mykiss
LC50 fish 2	10,8 mg/l 96h:Pimephales promelas
EC50 Daphnia 1	2,44 mg/l 48h:Daphnia magna
NOEC chronic crustacea	0,041 mg/l 21d:Daphnia magna (OECD 211)

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Collect all waste in suitable and labelled containers and dispose according to local legislation.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not regulated	Not regulated	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not regulated	Not regulated	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not regulated	Not regulated	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not regulated	Not regulated	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Not regulated	Not regulated	Dangerous for the environment : No	Dangerous for the environment : No

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No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

No data available

#### Rail transport

No data available

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Substance(s) are not subject to Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

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H335	May cause respiratory irritation.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*