



NYCO

HYDRAUNYCOIL FH 2

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 11/27/2014 Revision date: 3/12/2021 Supersedes: 3/10/2016 Version: 2.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : HYDRAUNYCOIL FH 2
Product code : FH2-3

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Industrial use
Restrictions on use : The Environmental Protection Agency prohibits processing and distribution of this chemical/product for any use other than: (1) In hydraulic fluids either for the aviation industry or to meet military specifications for safety and performance where no alternative chemical is available that meets U.S. Department of Defense specification requirements, (2) lubricants and greases, (3) new or replacement parts for motor and aerospace vehicles, (4) as an intermediate in the manufacture of cyanoacrylate glue, (5) in specialized engine air filters for locomotive and marine applications, and (6) in adhesives and sealants before January 6, 2025, after which use in adhesives and sealants is prohibited. In addition, all persons are prohibited from releasing PIP (3:1) to water during manufacturing, processing and distribution in commerce, and must follow all existing regulations and best practices to prevent the release of PIP (3:1) to water during the commercial use of PIP (3:1).

1.3. Supplier

NYCO America LLC, a subsidiary of NYCO
87 Amlajack Way
Newnan, GA 30265 - USA
T +1 877 872 6926
info@nyco-group.com - www.nyco-group.com

1.4. Emergency telephone number

Emergency number : USA , CANADA Chemtrec 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Repr. 2	H361	Suspected of damaging fertility or the unborn child.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

Full text of hazard classes and H-statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H304 - May be fatal if swallowed and enters airways.
H361 - Suspected of damaging fertility or the unborn child.
H412 - Harmful to aquatic life with long lasting effects.

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Precautionary statements (GHS US) : P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection.
P301+P310 - IF SWALLOWED: Immediately call a doctor, a POISON CENTER
P331 - Do NOT induce vomiting.
P405 - Store locked up.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Dec-1-ene, Trimers, Hydrogenated	CAS-No.: 157707-86-3	50 – 100
Phenol, isopropylated, phosphate	CAS-No.: 68937-41-7	0 - 1
Xylene	CAS-No.: 1330-20-7	0 - 0,01
ethylbenzene	CAS-No.: 100-41-4	0 - 0,001

Full text of hazard classes and 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 (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. Immediate medical attention and special treatment, if necessary

No additional information available

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

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

5.2. Specific hazards arising from the chemical

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

5.3. Special protective equipment and precautions for fire-fighters

Precautionary measures fire : Protective equipment.

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.

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.
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.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

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

No additional information available

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

No additional information available

Xylene (1330-20-7)

USA - ACGIH - Occupational Exposure Limits

Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH OEL TWA [ppm]	100 ppm
ACGIH OEL STEL [ppm]	150 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
Regulatory reference	ACGIH 2021

USA - ACGIH - Biological Exposure Indices

Local name	XYLENES (Technical or commercial grade)
BEI	1.5 g/g creatinine Parameter: Methylhippuric acids - Medium: urine - Sampling time: End of shift
Regulatory reference	ACGIH 2021

USA - OSHA - Occupational Exposure Limits

Local name	Xylenes (o-, m-, p-isomers)
OSHA PEL TWA [1]	435 mg/m ³
OSHA PEL TWA [2]	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

ethylbenzene (100-41-4)

USA - ACGIH - Occupational Exposure Limits

Local name	Ethylbenzene
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: URT irr; kidney dam (nephropathy); cochlear impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2021

USA - OSHA - Occupational Exposure Limits

Local name	Ethyl benzene
OSHA PEL TWA [1]	435 mg/m ³
OSHA PEL TWA [2]	100 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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8.2. Appropriate engineering controls

Environmental exposure controls : Do not flush into surface water or sewer system.

8.3. Individual protection measures/Personal protective equipment

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):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: red
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Melting point	: -60 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 224 °C
Relative evaporation rate (butylacetate=1)	: 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	: 0.851 kg/l @20°C
Solubility	: Poorly soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 14.33 mm²/s @40°C
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

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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) : Not classified

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
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LD50 dermal rabbit	> 10000 mg/kg
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LC50 Inhalation - Rat	> 200 mg/l
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Xylene (1330-20-7)

ATE US (dermal)	1100 mg/kg bodyweight
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ATE US (gases)	4500 ppmv/4h
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ATE US (vapours)	11 mg/l/4h
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ATE US (dust, mist)	1.5 mg/l/4h
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ethylbenzene (100-41-4)

LD50 dermal rabbit	> 5000 mg/kg
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ATE US (gases)	4500 ppmv/4h
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ethylbenzene (100-41-4)

ATE US (vapours) 11 mg/l/4h

ATE US (dust,mist) 1.5 mg/l/4h

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

Xylene (1330-20-7)

IARC group 3 - Not classifiable

ethylbenzene (100-41-4)

IARC group 2B - Possibly carcinogenic to humans

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified

Xylene (1330-20-7)

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure : Not classified

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

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Xylene (1330-20-7)

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

Viscosity, kinematic : 14.33 mm²/s @40°C

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.

SECTION 12: Ecological information

12.1. Toxicity

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

LC50 - Fish [1] > 1000 mg/l 96h

EC50 - Crustacea [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

EC50 - Crustacea [1] 2.44 mg/l 48h:Daphnia magna

LC50 - Fish [2] 10.8 mg/l 96h:Pimephales promelas

NOEC chronic crustacea 0.041 mg/l 21d:Daphnia magna (OECD 211)

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ethylbenzene (100-41-4)

LC50 - Fish [1]	4.2 mg/l 96h:Oncorhynchus mykiss
EC50 - Crustacea [1]	2.93 mg/l 48h:Daphnia magna
NOEC chronic crustacea	< 6.8 mg/l 48h:Daphnia magna
NOEC chronic algae	< 1 mg/l 96h:pseudokirchneriella subcapitata

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. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal 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 Département des transports / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
No dangerous good in sense of transport regulations.(ADR, RID, IMDG, IATA)		
14.2. Proper Shipping Name		
Not applicable	Not applicable	Not applicable
Transport document description		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment: No	Not applicable	Not applicable
No supplementary information available		

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14.6. Special precautions for user

DOT

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

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SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard
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Xylene (1330-20-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313
Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ	100 lb
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ethylbenzene (100-41-4)

Subject to reporting requirements of United States SARA Section 313

15.2. International regulations

CANADA

Xylene (1330-20-7)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

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All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

The Environmental Protection Agency prohibits processing and distribution of this chemical/product for any use other than: (1) In hydraulic fluids either for the aviation industry or to meet military specifications for safety and performance where no alternative chemical is available that meets U.S. Department of Defense specification requirements, (2) lubricants and greases, (3) new or replacement parts for motor and aerospace vehicles, (4) as an intermediate in the manufacture of cyanoacrylate glue, (5) in specialized engine air filters for locomotive and marine applications, and (6) in adhesives and sealants before January 6, 2025, after which use in adhesives and sealants is prohibited. In addition, all persons are prohibited from releasing PIP (3:1) to water during manufacturing, processing and distribution in commerce, and must follow all existing regulations and best practices to prevent the release of PIP (3:1) to water during the commercial use of PIP (3:1).

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15.3. US State regulations

ethylbenzene (100-41-4)					
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		

Component	State or local regulations
Xylene(1330-20-7)	U.S. - New York - RTK List of Hazardous Substances; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
ethylbenzene(100-41-4)	U.S. - New York - RTK List of Hazardous Substances; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 03/12/2021

Full text of H-statements	
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Repr. 2	Reproductive toxicity, Category 2
H304	May be fatal if swallowed and enters airways.
H361	Suspected of damaging fertility or the unborn child.
H412	Harmful to aquatic life with long lasting effects.

Safety Data Sheet (SDS), USA

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.