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FICHE DE DONNEES DE SECURITE (FDS)

HYCOIL TN600

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : TURBONYCOIL 600
Product code : TN600-1

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



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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

Skin Sens. 1	H317	May cause an allergic skin reaction.
Repr. 2	H361	Suspected of damaging fertility or the unborn child.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.

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) : Warning
Hazard statements (GHS US) : H317 - May cause an allergic skin reaction.
H361 - Suspected of damaging fertility or the unborn child.

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Precautionary statements (GHS US)

- H373 - May cause damage to organs through prolonged or repeated exposure.
- : P260 - Do not breathe vapours.
- P272 - Contaminated work clothing must not be allowed out of the workplace.
- P280 - Wear protective gloves, protective clothing, eye protection.
- P302+P352 - IF ON SKIN: Wash with plenty of soap.
- P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
- 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	%
Phenol, isopropylated, phosphate	CAS-No.: 68937-41-7	0 - 2.5
N-phenyl-1-Naphthylamine	CAS-No.: 90-30-2	0 - 2

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). If breathing is difficult, give oxygen.
- 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. irritation (itching, redness, blistering).
- 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, CO ₂). |
|-------------|--|

5.3. Special protective equipment and precautions for fire-fighters

- | | |
|--------------------------------|--|
| Precautionary measures fire | : Appropriate personal protective equipment. |
| Protection during firefighting | : Use self-contained breathing apparatus. |
| Other information | : In case of fire and/or explosion do not breathe fumes. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- | | |
|------------------|--|
| General measures | : Ventilate area. 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

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|-------------------------|--|
| 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

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|-----------------------------------|--|
| 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. Avoid breathing vapors or spray mists. Use only in well ventilated areas. |
| 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

TURBONYCOIL 600

No additional information available

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

No additional information available

N-phenyl-1-Naphthylamine (90-30-2)

No additional information available

8.2. Appropriate engineering controls

Environmental exposure controls : Do not flush into surface water or sewer system. Monitor the atmosphere at regular intervals.

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:

In case of inadequate ventilation wear respiratory protection.

Personal protective equipment symbol(s):



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
Melting point	: -57 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 269 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available

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Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.992 kg/l @20°C
Solubility	: insoluble 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	: 25 mm ² /s @40°C
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: 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)	: Not classified

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

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
LC50 Inhalation - Rat	> 200 mg/l

N-phenyl-1-Naphthylamine (90-30-2)

LD50 oral rat	1625 mg/kg
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N-phenyl-1-Naphthylamine (90-30-2)

LD50 dermal rabbit > 5000 mg/kg

ATE US (oral) 500 mg/kg bodyweight

Skin corrosion/irritation : Not classified
 Serious eye damage/irritation : Not classified
 Respiratory or skin sensitisation : May cause an allergic skin reaction.
 Germ cell mutagenicity : Not classified
 Carcinogenicity : Not classified
 Reproductive toxicity : Suspected of damaging fertility or the unborn child.
 STOT-single exposure : Not classified
 STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

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

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

N-phenyl-1-Naphthylamine (90-30-2)

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

Aspiration hazard : Not classified
 Viscosity, kinematic : 25 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. irritation (itching, redness, blistering).
 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
TURBONYCOIL 600

LC50 - Fish [1] > 100 mg/l OECD 203 (Danio rerio)

EC50 - Crustacea [1] > 100 mg/l OECD 202

ErC50 algae > 100 mg/l OECD 201 (Pseudokirchnerella subcapitata)

NOEC chronic fish > 1 mg/l OECD 204

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)

N-phenyl-1-Naphthylamine (90-30-2)

LC50 - Fish [1] 0.44 mg/l 96h

EC50 - Crustacea [1] 0.3 mg/l 48h

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available



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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		
Not applicable	Not applicable	Not applicable
No supplementary information available		

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



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SECTION 15: Regulatory information

15.1. US Federal regulations

TURBONYCOIL 600

SARA Section 311/312 Hazard Classes

Health hazard - Respiratory or skin sensitization

Health hazard - Reproductive toxicity

Health hazard - Specific target organ toxicity (single or repeated exposure)

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

TURBONYCOIL 600

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).

15.3. US State regulations

Massachusetts : none of the components are listed
New York : none of the components are listed
New Jersey : none of the components are listed
Pennsylvania : none of the components are listed

California Prop. 65 : no products were found

SECTION 16: Other information

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

Revision date : 03/26/2021

Full text of H-statements

Repr. 2	Reproductive toxicity, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H317	May cause an allergic skin reaction.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.