



NYCO

TURBONYCOIL 600

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 11/25/2014 Revision date: 10/5/2023 Supersedes: 3/26/2021 Version: 1.4

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

Manufacturer

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

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

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Hazard statements (GHS US)	: 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.
Precautionary statements (GHS US)	: 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)

No additional information available

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-naphthalenamine	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, CO₂).

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 section(s) :7 & 8.
Emergency procedures : For a large spillage, contain the spillage by bunding.

6.1.2. For emergency responders

Protective equipment : see section(s) :7 & 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. 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 original container. Store in dry, cool, well-ventilated area.
Special rules on packaging : 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

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

No additional information available

N-Phenyl-1-naphthalenamine (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 ISO 374-1 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	: amber
Odour	: No data available
Odour threshold	: No data available
pH	: Not applicable
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 mm²/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

High 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-naphthalenamine (90-30-2)

LD50 oral rat	1625 mg/kg
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N-Phenyl-1-naphthalenamine (90-30-2)

LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	500 mg/kg bodyweight

Skin corrosion/irritation	: Not classified pH: Not applicable
Serious eye damage/irritation	: Not classified pH: Not applicable
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.
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N-Phenyl-1-naphthalenamine (90-30-2)

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

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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]	10.8 mg/l 96h:Pimephales promelas
EC50 - Crustacea [1]	2.44 mg/l 48h:Daphnia magna
LC50 - Fish [2]	1.6 mg/l 96h:Oncorhynchus mykiss
NOEC chronic fish	0.0031 mg/l 33d:Pimephales promelas (OECD 210)
NOEC chronic crustacea	0.041 mg/l 21d:Daphnia magna (OECD 211)

N-Phenyl-1-naphthalenamine (90-30-2)

LC50 - Fish [1]	0.44 mg/l 96h
EC50 - Crustacea [1]	0.3 mg/l 48h:Daphnia
EC50 96h - Algae [1]	0.93 mg/l 96h:Pseudokirchneriella subcapitata

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12.2. Persistence and degradability

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

Biodegradation	17.9 % 28d
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N-Phenyl-1-naphthalenamine (90-30-2)

Persistence and degradability	Readily biodegradable.
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12.3. Bioaccumulative potential

N-Phenyl-1-naphthalenamine (90-30-2)

Partition coefficient n-octanol/water (Log Pow)	4.47 estimated
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Bioaccumulative potential	No bioaccumulation potential.
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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 DOT / 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 regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Special precautions for user

DOT

Not regulated

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IMDG

Not regulated

IATA

Not regulated

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	Health hazard - Respiratory or skin sensitization Health hazard - Reproductive toxicity Health hazard - Specific target organ toxicity (single or repeated exposure)
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15.2. International 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).

15.3. US State regulations

Component	State or local regulations
benzotriazole(95-14-7)	U.S. - Massachusetts - Right To Know List

SECTION 16: Other information

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Revision date : 10/5/2023

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.

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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.