

**MATERIAL SAFETY DATA SHEET**

NYCO S.A.  
51 RUE DE PONTTHIEU  
75008 PARIS  
(33-1) 45 61 50 00

**MSDS** : TN 600/3

**Date** : 11/01

**Page** : 1/5

Sheet set up according to ISO 11014

---

**1. PRODUCT IDENTIFICATION**

-----

- 1.1 **Trade name** : TURBONYCOIL 600
- 1.2 **Chemical family** : Carboxylic ester with additives.
- 1.3 **CAS registry number** : Not applicable as it is a formulation.
- 1.4 **EINECS Registration** : Not applicable as it is a formulation.
- 1.5 **Type of use** : Lubricating oil for gas turbines.

---

**2. COMPOSITION/INFORMATION ON COMPONENTS**

-----

Triaryl phosphate (68937-41-7) < 3 %  
Aromatic amines (90-30-2 and 15721-78-5) < 2.5 %

Please note that the chemical designation of any part of "hazardous ingredients" is a confidential information.

---

**3. HAZARD IDENTIFICATION**

-----

NONE KNOWN

---

**4. FIRST AID**

-----

- 4.1 **Skin contact** : Wash with soap and water.
- 4.2 **Eye contact** : Flush with water ; if necessary refer to an ophtalmologist.
- 4.3 **Ingestion** : No special treatment is necessary in general ; in case of uneasiness refer to a doctor.
- 4.4 **Vapour inhalation** : Remove from the polluted area ; in case of uneasiness refer to a doctor.

Date : 11/01

---

**5. FIGHT MEASURES AGAINST FIRE**

-----

**5.1 Flash point** : 273EC

**Method** : ASTM D 92

**5.2 Auto-ignition temperature** : > 300EC

**Method** : /

**5.3 Unusual fire and explosion hazards** : None known

**5.4 Extinguishing media** : CO<sub>2</sub> - foam - chemical powders.

**5.5 Special fire fighting procedures** :

In case of abundant fumes wear a self breathing apparatus.

**5.6 Others** : /

---

**6. SPILL OR LEAK PROCEDURES**

-----

Hold the overflow.

Recover the product with a hand pump or absorb with an inert absorbent (saw dust, etc).

Collect in drums.

Clean the ground.

---

**7. HANDLING AND STORAGE**

-----

**7.1 Storage temperature** : Room temperature (0EC - 30EC).

**7.2 Incompatible materials** : None known

**7.3 Precautions to be taken in handling and storing** :

Keep the product in delivery packings.

Store the well-closed drums under cover and shelter from water and humidity.

---

Date : 11/01

---

**8. EXPOSURE/PERSONAL PROTECTION**

-----

- 8.1 Respiratory protection (specify type) : No
- 8.2 Gloves or protective cream : Yes
- 8.3 Goggles : No
- 8.4 Safety shoes : No unless product is spilled on the ground.
- 8.5 Local exhaust : Usual
- Specify type : /
- 8.6 Others : Observe all current practices of hygiene in chemical industry, wash your hands before eating, drinking or smoking.

---

**9. PHYSICAL AND CHEMICAL DATA**

-----

- 9.1 Physical state at 20EC : Clear liquid
- 9.2 Density at 20EC : 0.994 kg/dm<sup>3</sup>
- 9.3 Boiling temperature under 1013 h Pa : > 300EC
- 9.4 Vapour pressure at 20EC : Negligible in normal conditions of storage, handling and use.
- 9.5 Water solubility : Negligible
- 9.6 pH : Not applicable ; product is neutral.
- 9.7 Kinematic viscosity at 40EC : 25.8 mm<sup>2</sup>/s
- 9.8 Evaporation rate (butyl acetate = 1) : Negligible

---

**10. STABILITY AND REACTIVITY DATA**

-----

- 10.1 Product stable : Yes in normal conditions of storage, handling and use.
- Conditions to avoid : /
- 10.2 Hazardous polymerization : Will not occur.
- Conditions to avoid : /
- 10.3 Hazardous decomposition products :
- Burning will initiate CO<sub>2</sub> and possibly CO.
- 10.4 Hazardous reactions with : None known.

Date : 11/01

---

**11. TOXICOLOGICAL DATA**

-----

11.1 Acute oral toxicity : No laboratory data.

11.2 Acute dermal toxicity :

11.3 Irritation : Skin (rabbit)  
Eye (rabbit)

11.4 Sensitization :

11.5 Upper allowable concentration of vapours/mists in air :

Not established.

No mishap has been reported.  
In normal conditions of use product may be classified as non toxic.

---

**12. ECOLOGICAL DATA**

-----

12.1 Biodegradability :

No laboratory data ; TURBONYCOIL 600 is not thought to be hazardous for aquatic and land life with a biodegradability superior to 80 %.

12.2 Others : /

---

**13. PRODUCT DISPOSAL**

-----

Observe all local laws concerning health and pollution ;  
in particular do not throw to the sewer or in nature.

---

**14. DATA IN CONNECTION WITH FREIGHT**

-----

14.1 ONU number :

14.2 ADR :

14.3 IMDG :

14.4 IATA :

NO REGULATIONS

Date : 11/01

---

**15. REGULATIONS DATA**

-----

Refer to local legislation.

---

**16. OTHER INFORMATION**

-----

All components of product are registered in EINECS and TSCA inventory.

The enclosed triaryl phosphate is not an anticholinesterase.

The aromatic amine (90-30-2) contains less than 1 ppm of  $\beta$ -naphthylamine (95-59-8-CEE : 612-022-00-3).

This sheet completes the technical data sheet of use but it doesn't replace it.

The information contained in this sheet are based on our knowledge of the product at the date of issue.

They are given quite sincerely. Moreover the attention of the users is drawn on these risks possibly taken when a product is used for other utilizations than those for which it is intended.

All the mentioned regulations are given to assist the user in complying with the regulations which are his own responsibility.