

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name SYNTHETIC OIL 605
Revision date 30-May-2008
Product use Lubricating Oil
Manufacturer information Nye Lubricants, Inc.

Emergency

2. Hazards Identification

Emergency overview May be ignited by heat, sparks or flames. Contact with eyes may cause irritation. Prolonged and/or repeated skin contact may result in mild irritation or redness.

OSHA regulatory status This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

Potential health effects

Routes of exposure Eye contact. Skin contact.

Eyes Contact with eyes may cause irritation.

Skin Prolonged and/or repeated skin contact may result in mild irritation or redness.

Inhalation Health injuries are not known or expected under normal use.

Ingestion Health injuries are not known or expected under normal use.

Target organs Eyes. Skin.

3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

4. First Aid Measures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Skin contact Wash off with soap and water. Get medical attention if symptoms occur. Wash clothing separately before reuse.

Inhalation If symptoms develop, remove affected person from source of exposure into fresh air. Get immediate medical attention.

Ingestion If ingestion of a large amount does occur, seek medical attention. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth to a victim who is unconscious or is having convulsions.

5. Fire Fighting Measures

Suitable extinguishing media Carbon dioxide (CO₂). Dry chemical. Foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Hazardous combustion products Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of silicon. Oxides of phosphorus. Acrolein. Formaldehyde. Aldehydes. Ketones.

Protective equipment and precautions for firefighters Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Use water spray to cool unopened containers. Move containers from fire area if you can do it without risk.

6. Accidental Release Measures

Personal precautions	Observe precautions from other sections. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
Methods for cleaning up	Soak up with inert absorbent material. Clean contaminated surface thoroughly. Clean up spills immediately, observing precautions in Protective Equipment section. Sweep up and shovel into suitable containers for disposal.

7. Handling and Storage

Handling	Do not handle or store near an open flame, heat or other sources of ignition. Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Avoid contact with eyes. Avoid prolonged or repeated skin contact with this material. Wash thoroughly after handling. Avoid breathing gas/vapors/mist/fumes. Do not take internally. Do not taste or swallow.
Storage	Keep away from heat and sources of ignition. Store in cool place. Store in a closed container away from incompatible materials.

8. Exposure Controls / Personal Protection

Exposure limits	
ACGIH	None available
OSHA	None available
Engineering controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
Eye / face protection	Wear safety glasses; chemical goggles (if splashing is possible).
Skin protection	Wear nitrile, neoprene, PVC or viton gloves. Wear suitable protective clothing.
Respiratory protection	No personal respiratory protective equipment normally required. An air purifying respirator with an organic vapor cartridge may be used under certain circumstances where airborne concentrations are expected to exceed exposure limits, or if irritation or symptoms are experienced. Respiratory protection must be provided in accordance with 29 CFR 1910.134.
General hygiene considerations	When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Launder contaminated clothing before reuse. Keep away from food and drink.

9. Physical & Chemical Properties

Color	Clear
Odor	Slight
Odor threshold	Not available
Form	Liquid
pH	Not available
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Flash point	> 400 °F (> 204.4 °C) ASTM D-92
Evaporation rate	Not available
Flammability	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Flammability limits in air, lower, % by volume	Not applicable
Vapor pressure	Not available
Vapor density (air=1)	Not available

Density	1 g/cm ³
Solubility (water)	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available

10. Chemical Stability & Reactivity Information

Chemical stability	Stable.
Conditions to avoid	Heat, flames and sparks.
Incompatible materials	Strong acids, alkalis and oxidizing agents.
Hazardous decomposition products	Carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Oxides of phosphorus. Oxides of silicon. Formaldehyde.

11. Toxicological Information

Acute effects	Refer to Hazards Identification Section.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC and NTP.

12. Ecological Information

Ecotoxicity	This material is not expected to be harmful to aquatic life.
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13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.
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14. Transport Information

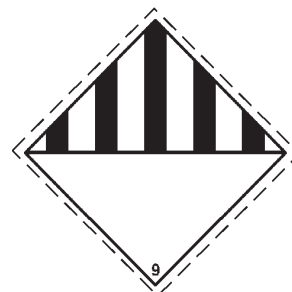
Department of Transportation (DOT) Requirements

Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TRIPHENYL PHOSPHATE, TERT-BUTYLATED TRIPHENYL PHOSPHATE MIXTURES CONTAINING 10% TO 48% TRIPHENYL PHOSPHATES)
Hazard class	9
UN number	UN3082
Packing group	III
Marine pollutant	Yes
Exemptions	49 CFR 171.4(c)



IMDG

Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TRIPHENYL PHOSPHATE, TERT-BUTYLATED TRIPHENYL PHOSPHATE MIXTURES CONTAINING 10% TO 48% TRIPHENYL PHOSPHATES)
Hazard class	9
UN number	UN3082
Packing group	III
Marine pollutant	Yes



IATA

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TRIPHENYL PHOSPHATE, TERT-BUTYLATED TRIPHENYL PHOSPHATE MIXTURES CONTAINING 10% TO 48% TRIPHENYL PHOSPHATES)

Hazard class 9

UN number UN3082

Packing group III

**15. Regulatory Information****CERCLA (Superfund) reportable quantity**

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

HMIS® ratings Health: 0
 Flammability: 1
 Physical hazard: 0

NFPA ratings Health: 0
 Flammability: 1
 Instability: 0

Prepared by William M. Medeiros
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Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. Nye Lubricants, Inc. makes no warranty with respect thereto and disclaims all liability with respect thereon.

MSDS sections updated This document has undergone significant changes and should be reviewed in its entirety.