

AMERICAN GAS & CHEMICAL COMPANY, LTD.
MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

ADDRESS: 220 Pegasus Avenue, Northvale, NJ 07647
TELEPHONE: 201-767-7300
PRODUCT: TSI 321 SYNTHETIC LUBRICANT
TYPE PACKAGES: Poly bottles, 5 gallon pails, 55 gallon drums
EFFECTIVE DATE: January 31, 2002 – Revision Date January 3, 2013.

Emergency Contact: 800-535-5053 - Infotrac Chemical Emergency Response Center

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical product is a preparation.

INGREDIENTS CONTRIBUTING TO THE HAZARD:

| <u>Chemical Name</u> | <u>CAS Number</u> | <u>Approx % (wt/wt)</u> |
|------------------------|-------------------|-------------------------|
| Trade Secret | 41559400000-5026P | ~98 |
| Oxygenated Hydrocarbon | 8002-74-2 | ~ 2 |

3. HAZARDS IDENTIFICATION

Contains no other hazardous ingredients according to the provisions given in 29 CFR 1910.1200, OSHA Hazard Communication Rule.

LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL

4. FIRST-AID MEASURES

Inhalation: Remove from area.

Skin Contact: Mild irritant. Wash with soap and water.

Eye Contact: Mild irritant. Flush with water. Seek medical attention if irritation persists.

Ingestion: It is not considered to be hazardous to health through ingestion. Induce vomiting. Call physician.

5. FIRE HAZARDS

FLASH POINT: 415^oF. COC ASTN D92-78

FLAMMABLE LIMITS IN AIR: N/A

EXTINGUISHING MEDIA: CO₂, foam, dry chemicals.

SPECIAL FIRE FIGHTING PROCEDURES: Use water to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

SPILLS AND LEAKS: Recover free liquid. Add absorbent such as sand, sawdust, etc. to spill area. Keep material out of sewers and watercourses.

7. HANDLING & STORAGE PROCEDURES

GENERAL: Avoid repeated or prolonged contact with skin. Do not get in eyes.

STORAGE: Store in a cool, dry area. Keep containers closed and plainly labeled.

SHELF LIFE: 2 years.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

MEDICAL CONDITIONS KNOWN TO BE AGGRAVATED BY EXPOSURE TO PRODUCT: None.

EFFECTS OF OVEREXPOSURE: None reported.

PERSONAL PROTECTIVE EQUIPMENT: Non-absorbent gloves. Safety glasses.

9. PHYSICAL PROPERTIES

| | | | |
|-------------------|-------------|-------------------|--------------------------|
| BOILING POINT: | >540°F. | VAPOR PRESSURE: | 1mm Hg, 20°C |
| PERCENT VOLATILE: | Negligible | VAPOR DENSITY: | (Air=1) >1 |
| DENSITY: | 0.91 - 0.93 | EVAPORATION RATE: | (Water=1) <1 |
| WATER SOLUBILITY: | Insoluble | APPEARANCE: | Clear light brown liquid |
| pH: | N/A | ODOR: | Slight ester odor |

10. STABILITY AND REACTIVITY

STABILITY: Stable

INCOMPATIBILITY: None

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: None reported.

THRESHOLD LIMIT VALUE (TLV): None established.

12/13. ECOLOGICAL INFORMATION/DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Check all local, state and federal regulations for compliance in disposal.

14. DOT INFORMATION

| | |
|-----------------|---------------------|
| SHIPPING NAME: | Synthetic lubricant |
| MARKING: | None |
| HAZARD CLASS: | None |
| IDENTIFICATION: | None |

15. REGULATORY INFORMATION

TSCA Inventory Status:

All the components of this product are listed on the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

HMIS Ratings: Health -1, Flammability-1, Reactivity-0, Personal Protection -B

NFPA Ratings: Health - 0, Flammability - 1, Reactivity – 0

Note: HMIS and NFPA ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

16. OTHER INFORMATION

1. The information and recommendations set forth herein are believed to be accurate as of the date hereof. We make no warranty with respect thereto and disclaim all liability from reliance thereon.
2. Container labeling-uses Hazardous Materials Identification System (HMIS). The letter "B" for Personal Protection means the user should wear the following when working with chemical: (safety glasses/splash goggles and gloves). Hazardous Index under this system rates degree of hazard from 0 to 4 in each category:

0 = minimal hazard
1 = slight hazard
2 = moderate hazard
3 = serious hazard
4 = severe hazard

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