

SAFETY DATA SHEET



Date Issued : 12/15/2011

MSDS No : 93011

Galsol 100

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Galsol 100**PRODUCT CODE:** 93011**MANUFACTURER**

Distributed by Tarr Acquisition, LLC

4115 W. Turney Ave.

Phoenix, AZ 85019

Service Number: 602-233-2000**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (US Transportation) :**(800) 424 - 9300**CANUTEC (Canadian Transportation) :**(613) 996 - 6666

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW**PHYSICAL APPEARANCE:** Clear, water-white liquid.**IMMEDIATE CONCERNS:** Irritating to eyes and skin. No known chronic indications. The product is combustible and will sustain combustion at temperatures above its flashpoint. Avoid heat, sparks and open flame.**POTENTIAL HEALTH EFFECTS****EYES:** Irritating to eyes. May cause slow healing eye injury and blindness.**SKIN:** Irritating to skin. Repeated exposure may cause skin dryness or cracking.**INGESTION:** Will be irritating to tissues. May be harmful or fatal if swallowed in sufficient quantity. Do not induce vomiting. Vomiting will cause lung damage.**INHALATION:** Vapors are not hazardous, but may be irritating in confined spaces. May cause respiratory tract irritation.**SIGNS AND SYMPTOMS OF OVEREXPOSURE****CHRONIC EFFECTS:** Not considered a carcinogen by NTP, IARC, or OSHA. No known chronic indications.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Terpineol	90 - 100	98-55-5

4. FIRST AID MEASURES

EYES: Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation develops.**SKIN:** Remove contaminated clothing. Wash affected areas with soap and water. See a physician if irritation

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develops.

INGESTION: Drink lots of water to dilute substance. Do not induce vomiting. See a physician.

INHALATION: Seek fresh air immediately. Get medical attention if nasal, throat or lung irritation develops or if breathing is difficult.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 194 deg F Tag Closed Cup

FLAMMABLE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: No data available.

FLAMMABLE CLASS: Class IIIA combustible liquid.

GENERAL HAZARD: Combustible liquid and vapor.

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

FIRE FIGHTING PROCEDURES: Use carbon dioxide, dry chemical or foam. Use water as a spray only to lower temperature. The product floats on water. Treat as an oil fire.

FIRE FIGHTING EQUIPMENT: Standard turnout gear for combustible liquids.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: May be absorbed by sand or oil-absorbing materials.

LARGE SPILL: Should be collected by pumping into closed containers for recovery or disposal.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not discharge into lakes, streams, ponds or public works. May be toxic to aquatic organisms.

LAND SPILL: Keep material out of storm sewers and ditches which lead to waterways. Dike area to control runoff and collect spill in appropriate containers. Remove all ignition sources.

GENERAL PROCEDURES: Exercise caution as hard floors coated with this material may be slippery. Depending on the size of the spill, substance may be cleaned up with sand or absorbent materials, or if large enough, pump into closed containers for recovery or disposal. Spills over water will float and may be collected by oil absorbents or by skimming.

COMMENTS: Keep material out of storm sewers and ditches which lead to waterways.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Ensure good ventilation/exhaustion at the workplace.

HANDLING: Wear chemical safety glasses or goggles, chemically resistant gloves and apron when handling the product.

STORAGE: Store in tightly closed metal or glass containers. Containers should be full or blanketed by inert gas. Do not store in plastic. Avoid heat, sparks, and open flames.

STORAGE TEMPERATURE: Store away from heat, sparks, and open flame. Keep containers tightly closed when not in use. Do not weld, cut, grind, solder, or drill on or near empty containers. Empty containers may contain explosive concentrations of product vapors.

LOADING TEMPERATURE: No data available.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use only in a well ventilated area. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses with side shields or chemical goggles are recommended for any type of industrial chemical handling.

SKIN: Wear chemically resistant rubber gloves and apron (viton, nitrile, and or PVC) to minimize exposure.

RESPIRATORY: Approved organic vapor mask (NIOSH) may be used to prevent irritation from mists and vapors and for odor elimination.

PROTECTIVE CLOTHING: See skin protection.

WORK HYGIENIC PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

OTHER USE PRECAUTIONS: VENTILATION: Mechanical ventilation may be necessary at high vapor concentration to minimize odor.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Floral

APPEARANCE: Clear. Liquid.

COLOR: Clear

pH: No data available.

VAPOR PRESSURE: < 0.1 mm Hg at 20°C (68°F)

BOILING POINT: (426°F) to (428°F)

FREEZING POINT: < 25°C (77°F)

FLASHPOINT AND METHOD: 194 deg F Tag Closed Cup

SOLUBILITY IN WATER: Negligible in water.

EVAPORATION RATE: > 1 (n-Butyl Acetate=1)

DENSITY: ~ 7.84 at 25°C (77°F)

SPECIFIC GRAVITY: 0.940 at 25°C (77°F)

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under normal conditions of handling, use and transportation.

POLYMERIZATION: Will not occur under normal conditions.

CONDITIONS TO AVOID: Heat, sparks or open flame. If the containers are overheated they can rupture in violent form.

POSSIBILITY OF HAZARDOUS REACTIONS: Not Established

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HAZARDOUS DECOMPOSITION PRODUCTS: Normal combustion products such as carbon dioxide, carbon monoxide and acrid fumes.

INCOMPATIBLE MATERIALS: Avoid contact with strong acids, strong bases, and oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)
Terpineol	5170 mg/kg (rat), Oral, mouse: LD50 = 2830 mg/kg.

DERMAL LD₅₀: > 3000 mg/kg (rabbit)

ORAL LD₅₀: 5170 mg/kg (rat)

TARGET ORGANS: Eyes and skin.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Determined

ECOTOXICOLOGICAL INFORMATION: Not determined. Related chemicals are known to be biodegradable.

BIOACCUMULATION/ACCUMULATION: Not determined. Related chemicals are known to be non-accumulating in the environment.

AQUATIC TOXICITY (ACUTE): Not determined. Related chemicals are known to be aquatic toxicants.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of this material by incineration or recovery at a government approved disposal facility.

EMPTY CONTAINER: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

RCRA/EPA WASTE INFORMATION: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA HAZARD CLASS: Not classified as a RCRA Hazardous Waste.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Combustible Liquid, N.O.S.

TECHNICAL NAME: (Terpineol)

PRIMARY HAZARD CLASS/DIVISION: Combustible liquid

Galsol 100**UN/NA NUMBER:** NA 1993**PACKING GROUP:** III**NAERG:** 128**MARINE POLLUTANT #1:** No**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: This product should be reported as an immediate (acute) health hazard, and a fire hazard.

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

TSCA (TOXIC SUBSTANCE CONTROL ACT)

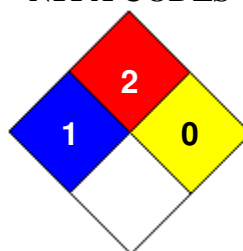
Chemical Name	CAS
Terpineol	98-55-5

TSCA REGULATORY: Listed.**TSCA STATUS:** Listed.

GENERAL COMMENTS: The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

16. OTHER INFORMATION**PREPARED BY:** Compliance Dept.**HMIS RATING**

HEALTH	<input type="text"/>	1
FLAMMABILITY	<input type="text"/>	2
PHYSICAL HAZARD	<input type="text"/>	0
PERSONAL PROTECTION	<input type="text"/>	C

NFPA CODES

HMIS RATINGS NOTES: The HMIS rating involves data 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 the MSDS must be considered.

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