

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Garasol 150 ND
CHEMICAL NAME : Aromatic Hydrocarbon 64742-94-5
CHEMICAL FAMILY : Petroleum Hydrocarbon
PRODUCT DESCRIPTION : Clear colourless liquid with mild aromatic odour

CONTACT ADDRESS:

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SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Concentration |
|------------------|------------|---------------|
| Aromatic Solvent | 64742-94-5 | 100.00 %W |

SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Slightly irritating.

SKIN CONTACT: Frequent or prolonged contact may irritate and cause skin dryness or cracking. Skin contact may aggravate an existing dermatitis condition.

INHALATION: High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

INGESTION: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. Minimal toxicity.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: Flush eye with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT: Wash contact area with soap and water. Remove grossly contaminated clothing, including shoes, and launder before reuse.

INHALATION: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

INGESTION: If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

SIGN & SYMPTOMS: Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing, and/or difficulty breathing. Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Eye irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blurred vision. If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever.

SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT : Minimum 58°C
AUTO IGNITION : >400 °C
FLAMMABLE LIMITS : LEL: 0.6 UEL: 7 (Approximate Volume % in air)

GENERAL HAZARD: Low Hazard, liquid can burn upon heating to temperatures at or above the flashpoint. "Empty" containers retain product residue (liquid and/or vapor) 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; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and stored, or properly disposed of.

FIRE FIGHTING: Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment. Avoid spraying water directly into storage containers due to danger of boil over.

PROTECTIVE CLOTHINGS FOR FIRE FIGHTING: Wear full protective clothing and self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills transfer by mechanical means to a labeled, sealed container for product recovery or safe disposal. For large spills transfer to storage tanks by safe means for recovery. Do not flush residue with water. Allow residue to evaporate or clean with appropriate absorbent and dispose safely. Remove contaminated soil and dispose safely. If in public area, keep public away and advise authorities. Shut off leaks if possible without personal risks. Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. For Water Spill, eliminate sources of ignition. Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 7 STORAGE AND HANDLING

GENERAL PRECAUTIONS: Avoid breathing of or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet.

STORAGE AND HANDLING: Keep container closed. Handle and open containers with care. Store in a cool, well-ventilated place away from incompatible materials.

Do NOT handle or store near an open flame, heat or other sources of ignition. Protect material from direct sunlight. Material will accumulate static charges, which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Do NOT pressurize, cut, heat, or weld containers. Empty product containers may contain product residue. Do NOT reuse empty containers without commercial cleaning or reconditioning.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS: The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a lab hood. Provide mechanical ventilation of confined spaces. See respiratory protection recommendations.

PERSONAL PROTECTION: For open systems where contact is likely, wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Where contact may occur, wear safety glasses with side shields. Where concentrations in air may exceed the limits given in this Section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH approved respirators may be necessary to prevent overexposure by inhalation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|--|
| APPEARANCE | : Clear colourless free from any suspended particles |
| ODOUR | : Mild Aromatic |
| SPECIFIC GRAVITY at 32 °C | : 0.880 – 0.915 |
| VAPOR PRESSURE, mmHg at 20 °C | : Less than 0.09 |
| SOLUBILITY IN WATER | : Insoluble |
| FREEZING/MELTING POINT, °C | : -10 |
| EVAPORATION RATE, n-Bu Acetate=1 | : Less than 0.1 |
| BOILING POINT, °C | : 170 - 220 |
| FLASH POINT, °C | : >58 |
| MOLECULAR WEIGHT | : 135 |

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable under normal condition of use.

CONDITIONS TO AVOID INSTABILITY: Not Applicable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION: Not Applicable

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Nitric acid, sulfuric acid, strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 11 TOXICOLOGICAL INFORMATION

| <u>Route of Exposure</u> | <u>Conclusion / Remarks</u> |
|---------------------------------|--|
| INHALATION | |
| Toxicity: Data available. | Minimally Toxic. |
| Irritation: Data available. | Elevated temperatures or mechanical action may form vapours, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs. |
| INGESTION | |
| Toxicity: LD50 > 6000 mg/kg | Minimally Toxic. Based on test data for structurally similar materials. |
| Skin | |
| Toxicity: LD50 > 2000 mg/kg | Minimally Toxic. Based on test data for structurally similar materials. |
| Irritation: Data available. | Mildly irritating to skin with prolonged exposure. |
| Eye | |
| Irritation: Data available. | May cause mild, short-lasting discomfort to eyes. |

CHRONIC/OTHER EFFECTS

For the product itself:

Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Contains:

NAPHTHALENE: Exposure to high concentrations of naphthalene may cause destruction of red blood cells, anemia, and cataracts. Naphthalene caused cancer in laboratory animal studies, but the relevance of these findings to humans is uncertain.

SECTION 12 ECOLOGICAL INFORMATION

Not available.

SECTION 13 DISPOSAL CONSIDERATIONS

Follow Local & State Regulatory Measures. Please refer to Sections 5, 6.

SECTION 14 TRANSPORT INFORMATION

Follow Local & State Regulatory Measures.

SECTION 15 REGULATORY INFORMATION

TSCA: This product is listed on the TSCA Inventory as a UVCB (Unknown, Variable Composition or Biological) Chemical at CAS Registry Number 64742-94-5 Clean Water Act/Oil Pollution Act: This product is classified as an oil under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Act of 1990.

CERCLA: This product, as sold, is derived from a fraction of crude oil and is excluded from the spill reporting requirements by CERCLA Section 101(14)(F).

SARA Hazardous Categories (311/312): Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified under Delayed Health Hazard.

SECTION 16 OTHER INFORMATION

NOTES & DISCLAIMER: The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product

MSDS VER: 2.1

EFFECTIVE FROM: 1.4.2010

MSDS DISTRIBUTION: TO ALL HANDLEING THE PRODUCT.
