

Ganga Rasayanie

(Material) Safety Data Sheet

GaroSOL 200 ND

MSDS# 10

Effective Date 25/04/2010

Page No.1

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Garosol 200 ND

CHEMICAL FAMILY:

Aromatic (Petroleum) Hydrocarbon 64742-94-5

PRODUCT DESCRIPTION:

Clear, pale yellow liquid

CONTACT:

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration
Solvent Naphtha (Petroleum), Heavy Aromatic	64742-94-5	100.00 %W
<u>Hazardous Content in the substance</u>		
Naphthalene	91-20-3	<1%w

SECTION 3: HAZARDS IDENTIFICATION

This material is considered to be hazardous according to regulatory guidelines.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Slightly irritating but does not injure eye tissue.

SKIN CONTACT: Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity. 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.

ENVIRONMENTAL HAZARDS: Toxic to aquatic organisms

This material should not be used without proper guidance and knowledge as it may cause potential human health risk which may vary from person to person.

SECTION 4: FIRST AID MEASURES

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

SKIN CONTACT: Flush with large amounts of water; use soap if available. 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: 105°C

FLAMMABLE LIMITS: LEL: 0.7 UEL: 5.6 @ 25Deg C

AUTOIGNITION TEMP.: 480 - 500 Deg C Approximate

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.

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. Do not store in open and unlabelled containers. 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 Pale Yellow free from any foreign particles
ODOUR: Mild Aromatic
SPECIFIC GRAVITY at Deg 32 Deg C: 0.960 - 0.995
VAPOR PRESSURE, mmHg at 20 Deg C: Less than 0.03
SOLUBILITY IN WATER: Insoluble
FREEZING/MELTING POINT, Deg C: -8
EVAPORATION RATE, n-Bu Acetate=1: Less than 0.1
BOILING POINT, Deg C: 240 to 305
AUTO INGINATION TEMPERATUR: 480 - 500 (approximately)
FLASH POINT, Deg C: >105

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal condition of use
CONDITIONS TO AVOID INSTABILITY: Open flames and high energy ignition source
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

Please refer to Section 3 for available information on potential health effects.

SECTION 12: ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY: Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

MOBILITY: Expected to partition to sediment and wastewater solids. Moderately volatile.

PERSISTENCE AND DEGRADABILITY

Biodegradation: Expected to be readily biodegradable.

Hydrolysis: Transformation due to hydrolysis not expected to be significant.

Photolysis: Transformation due to photolysis not expected to be significant.

SECTION 13: DISPOSAL CONSIDERATIONS

Follow Local & State Regulatory Measures. Please refer to Sections 5, 6. The material is suitable for burning.

The material is not listed by the EPA as hazardous waste(40CFR, Part 261D) nor it contains materials which are listed as hazardous waste. It does not exhibit the hazardous characteristics of ignitability, corrositivity or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP).

SECTION 14: TRANSPORT INFORMATION

UN recommendations: UN 3082

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Class: 9

Packing group: III

LABEL: 'MISCELLANEOUS DANGEROUS SUBSTANCES and ARTICLES': 3Z

Sea transport:

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

Hazard Class & Division : 9

UN Number : 3082

Packing Group : III

Label(s) : 9

Air transport:

ICAO/IATA: UN 3082

Class: 9

Proper technical name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Packing group: III

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.

EPCRA: The material contains no hazardous substance

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). Contact local authority or regulator for any specific requirements.

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GaroSOL 200 ND
MSDS# 10
Effective Date 25/04/2010
Page No.6

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.

This product contains the following Section 313 Reportable Ingredients:

SARA (313) TOXIC RELEASE INVENTORY:

Chemical Name	CAS No	Typical Volume
Naphthalene	91-20-3	< 1%

NEPA HAZARD ID: Health: 1 Flammability: 1 Reactivity: 1

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: 10.00

EFFECTIVE FROM: 25.04.2010

PREPARED BY: HEALTH & SAFETY DEPT, GRPL.

MSDS DISTRIBUTION: TO ALL HANDLEING THE PRODUCT.
