

**SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** GaroSOL 100**CHEMICAL NAME:**

Aromatic Hydrocarbon 64742-95-6

**CHEMICAL FAMILY:**

Petroleum Hydrocarbon

**PRODUCT DESCRIPTION:**

Water White Liquid

**CONTACT ADDRESS:**Ganga Rasayanie (P) Ltd.  
50B Harish Mukherjee Road, Kolkata, INDIA 700025

Tel Numbers: (9AM to 5PM M-F)

Head Office: 91 33 24552080 / 5815  
Works : 91 2646 253064**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Concentration</u>
Solvent Naphtha (Petroleum), Light Aromatic	64742-95-6	100.00 %W

Possible Hazardous Contents

<b>Chemical Name</b>	<b>CAS</b>	<b>EINECS</b>	<b>Symbol(s)</b>	<b>R-pharse(s)</b>	<b>Conc.</b>
Benzene	71-43-2	200-753-7			< 0.10 %
Cumene	98-82-8	202-704-5			0.00 - 6.00 %
Xylene, Mixed Isomers	1330-20-7	215-535-7			1.00 - 22.00 %
1,3,5-Trimethyl benzene	108-67-8	203-604-4	Xi, N	R10; R37; R51/53	8.00 - 12 %
1,2,4-Trimethyl benzene	95-63-6	202-436-9			27.00 - 35.00 %
1,2,3-Trimethyl benzene	526-73-8	208-394-8			3.00 - 10.00 %
n-Propyl benzene	103-65-1	203-132-9			4.00 - 6.00 %
Benzene	71-43-2	200-753-7			< 0.10 %

**SECTION 3 HAZARDS IDENTIFICATION**

**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.

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**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.

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## **SECTION 5 FIRE-FIGHTING MEASURES**

FLASH POINT: Minimum 45°C

FLAMMABLE LIMITS: LEL: 1.8 UEL: 11.8 @ 25Deg C

### **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.

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## **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.

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## **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.

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## **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.

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## **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Colourless clear liquid

**ODOUR:** Aromatic

**SPECIFIC GRAVITY at Deg 32 Deg C:** 0.865 – 0.875

**VAPOR PRESSURE, mmHg at 20 Deg C:** Less than 0.1

**SOLUBILITY IN WATER:** Insoluble

**FREEZING/MELTING POINT, Deg C:** -10

**EVAPORATION RATE, n-Bu Acetate=1:** Less than 0.1

**BOILING POINT, Deg C:** 150 to 190

**FLASH POINT, Deg C:** >40-50C

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## **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

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## **SECTION 11 TOXICOLOGICAL INFORMATION**

<b>Basis for Assessment</b>	: Information given is based on product testing, and/or similar products, and/or components.
<b>Acute Oral Toxicity</b>	: Low toxicity: LD50 >2000 mg/kg , Rat Aspiration into the lungs may cause chemical pneumonitis which can be fatal.
<b>Acute Dermal Toxicity</b>	: Low toxicity: LD50 >2000 mg/kg , Rat
<b>Acute Inhalation Toxicity</b>	: Low toxicity: LC50 greater than near-saturated vapour concentration. / 4 hours, Rat High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea.
<b>Skin Irritation</b>	: May cause moderate skin irritation (but insufficient to classify). Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.
<b>Eye Irritation</b>	: Essentially non-irritating to eyes.
<b>Respiratory Irritation</b>	: Repeated inhalation of vapours and mists is expected to cause irritation of the respiratory tract.
<b>Sensitisation</b>	: Not a skin sensitiser.
<b>Repeated Dose Toxicity</b>	: Auditory system: prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. (Xylene) Kidney: caused kidney effects in male rats which are not considered relevant to humans
<b>Mutagenicity</b>	: Not mutagenic.

**Carcinogenicity** : Limited evidence of carcinogenic effect. (Ethylbenzene)  
An increased tumour incidence has been observed in experimental animals;  
the significance of this finding to man is unknown. (Cumene)

**Reproductive and Developmental Toxicity** : Not expected to impair fertility.  
Causes foetotoxicity in animals at doses which are maternally toxic.

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## **SECTION 12 ECOLOGICAL INFORMATION**

**Acute Toxicity**

**Fish** : Toxic: 1 < LC/EC/IC50 <= 10 mg/l

**Aquatic Invertebrates** : Toxic: 1 < LC/EC/IC50 <= 10 mg/l

**Algae** : Toxic: 1 < LC/EC/IC50 <= 10 mg/l

**Mobility** : Adsorbs to soil and has low mobility.  
Floats on water.

**Persistence/degradability** : Expected to be readily biodegradable.  
Oxidises rapidly by photo-chemical reactions in air.  
Not Persistent per IMO criteria. International Oil Pollution Compensation (IOPC) Fund definition: "A non-persistent oil is oil, which, at the time of shipment, consists of hydrocarbon fractions, (a) at least 50% of which, by volume, distils at a temperature of 340°C and (b) at least 95% of which, by volume, distils at a temperature of 370°C when tested by the ASTM Method D-86/78 or any subsequent revision thereof.

**Bioaccumulation** : Does not have the potential to bioaccumulate significantly.

**Other Adverse Effects** : None

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## **SECTION 13 DISPOSAL CONSIDERATIONS**

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

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## **SECTION 14 TRANSPORT INFORMATION**

**IMDG**

Identification number UN 1268

Proper shipping name PETROLEUM DISTILLATES,  
N.O.S,

Class / Division 3

Packing group III

Marine pollutant No

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## **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.

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**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:** 3.1

**EFFECTIVE FROM:** 25.03.2010

**PREPARED BY:** HEALTH & SAFETY DEPT, GRPL.

**MSDS DISTRIBUTION:** TO ALL HANDLEING THE PRODUCT.

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