

Ganga Rasayanie (P) Ltd.

Material Safety Data Sheet

Garlas

MSDS# 003 dated 1/11/2005

trade name:	Aliphatic Oil / Mineral Oil / White Spirit
product code:	Garlas 1650
supplier:	Ganga Rasayanie (P) Ltd. 50B Harish Mukherjee Road, Kolkata - 700025 India Tel: 91 33 24552080 Contact: Amit Porwal Email: ap@gangarasayanie.com
emergency inquiries:	9380571593
fax:	+913324237523
Other Contacts (Name/Phone Number):	Mr P C Bardhan / 91 33 24237003
1. Chemical description:	Aliphatic Hydrocarbons / Mineral Oil CAS No: 64742-82-1
2. Composition & Ingredients	Aliphatic Hydrocarbons / Mineral Oil
3. Hazards Identification	
warning statements:	MAY BE HARMFUL IF INHALED OR ABSORBED THRU SKIN. LOW VISCOSITY PETROLEUM MIXTURE CAN CAUSE LUNG INJURY IF INGESTED AND ASPIRATED. CAUSES SKIN IRRITATION. COMBUSTIBLE. PROLONGED INHALATION OF VAPOR OR MIST MAY BE HARMFUL. OIL MIST MAY CAUSE IRRITATION TO THE RESPIRATORY TRACT.
eyes:	May cause slight eye irritation, characterized by redness, tearing, or a burning sensation.
oral:	May cause irritation of the digestive tract which may result in nausea, vomiting and diarrhea. Ingestion of this product and subsequent vomiting can result in aspiration into the lungs, causing chemical pneumonia and lung damage.
inhalation:	Irritation of the nose, throat and lungs, headache, nausea, drowsiness, dizziness or unconsciousness may result from exposure to vapours or mists present in poorly ventilated or confined areas, or generated from spraying or heating the material.
skin:	May cause skin irritation. Prolonged or frequently repeated contact may cause more severe irritation or may cause the skin to become cracked or dry from the defatting action of this material. May cause oil acne following prolonged or repeated contact.
long term toxic effects:	The base oil component(s) are not expected to be carcinogenic based on IARC criteria. This product has not been tested as a whole for chronic health effects. See Section 11 for additional information.
4. First Aid Measures	
eyes:	Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor.
skin:	Wash skin thoroughly with soap and water. If skin irritation persists or a rash develops as a result of excessive contact, see a doctor. Launder contaminated clothing.
ingestion:	Do not induce vomiting. Aspiration of the material can cause serious lung injury such as chemical pneumonia. Call a doctor immediately. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty. Never give anything by mouth to an unconscious person.
inhalation:	If respiratory irritation or any signs or symptoms as described in this MSDS occur, move the person to fresh air. If any of these effects continue, see a doctor.

advice to doctor: This product may present an aspiration hazard. See related comments in this MSDS. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours. High-pressure equipment can cause small, often bloodless, puncture wounds where material may have been injected deep into the extremity. Within 24 hours, there is usually extensive swelling, discoloration and intense pain in the affected part. Requires immediate treatment at a surgical emergency centre; else disfigurement or amputation of the affected part may occur.

5. Fire Fighting Measures

ignition temp. (degrees c): Not Determined

flammable limits (% by volume): Not Determined

flash point (degrees c): Min 34

fire extinguishing agents: Use water fog, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapours and to provide protection for persons attempting to stop the leak.

explosion hazards: For fires involving this material, do not enter any enclosed or confined space without self-contained breathing apparatus to protect against the hazardous effects of combustion products or oxygen deficiency.

6. Accidental Release Measures

in case of spill: Stop the source of the leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing as discussed in this MSDS. Cover spill with a generous amount of inert absorbent. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a disposable container. Prevent contamination of groundwater or surface water.

7. Handling & Storage

Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimised. Water contamination should be avoided. Misuse of empty containers can be hazardous. DO NOT cut, weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently. Do not pressurize or expose to open flame or heat. Keep container closed and drum bungs in place.

8. Exposure Control/Personal Protection

eyes: Safety glasses, chemical type goggles, or face shield appropriate where splashing or misting is expected during routine operations or spill clean-up.

Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.

skin: Respiratory protection is normally not required. However, if operating conditions create airborne concentrations that are excessive and may exceed the recommended exposure standard(s), the use of an approved respirator is recommended.

inhalation: Wear approved respiratory protection such as a toxic dust, mist and fume respirator. Use adequate ventilation to keep the airborne concentrations of this material below the ACGIH TLV for mineral oil mists. Local exhaust ventilation and/or enclosure of the process is preferred in these cases.

ventilation: The ACGIH TLV for mineral oil mists is 5 mg/m³ for a daily 8-hour exposure. A short term exposure limit (STEL) of 10 mg/m³ is recommended.

exposure limits:

9. Physical & Chemical Properties

note: The following data may represent a range of approximate or typical values for products in the same family. Precise technical information is provided in Product Bulletins and can be obtained from your Marketing Representative.

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appearance & odor:	Clear & Colourless free from any foreign particles having very mild odour
boiling point (deg. c):	140 - 230
vapor pr. (mmhg @ 25 deg. c):	Not determined
density (kg/l at 29.5 deg. c):	0.780 - 0.820
vapor density (air = 1):	Not determined
flash point	> 34 Deg C
solubility (water):	Not soluble
percent volatile by volume:	Not determined
evaporation:	Not determined
viscosity (all product grades):	Not determined

10. Stability & Reactivity

hazardous polymerizations: DO NOT OCCUR

products of combustion: Carbon monoxide, carbon dioxide, and aldehydes and ketones, combustion products of nitrogen or sulfur.

conditions to avoid: Strong oxidizers such as chlorates, nitrates, peroxides, etc.

11. Toxicological Information

general: This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, hydrocracking . None of the oils requires a cancer warning under the OSHA Hazard Communication Standard

12. Ecological Information

environmental effects: No specific ecotoxicity data on this product are available.
This material may present environmental risks common to oil spills.

13. Disposal Considerations

waste disposal: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

remarks: This material may present environmental risks common to oil spills. Contact your local oil spill response group and applicable government agencies if a spill occurs.

14. Transport Information

transport of dangerous goods:

UN Number:	Not Applicable
Dangerous Goods Class:	Not Applicable
Proper Shipping Name:	Not Applicable
Hazchem Code (Australia/NZ):	Not Applicable
Additional Information:	None Determined.

15. Regulatory Information

respirator information: Follow local Standards

16. Other Information No specific notes on this product.

To the best of our knowledge, the information provided in this MSDS document is correct. possible. We do not assume any liability for consequences of the use of this information since it may be applied under conditions beyond our control or knowledge. Also, it is possible that additional data could be made available after this MSDS was issued. Certain hazards are described herein, however these may not be the only hazards that exist. All materials may present unknown information, follow precautions, and comply with all applicable laws and regulations regarding the use and disposal of this product. For Specific technical data or advice concerning this product, please contact your local sales representative. The final determination of suitability of any material is the sole responsibility of the user

MSDS VER: 003/1

EFFECTIVE FROM: 01.11.2005

PREPARED BY: HEALTH & SAFETY DEPT, GRPL.

MSDS DISTRIBUTION: TO ALL HANDLING THE PRODUCT.