

MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

Product identifier: LIQUID METAL POLISH, MEDIUM **Product code:** GT72616

Chemical Family: Hydrocarbon mixture

Product use: Metal polish

Manufacturer's name and address:

Gliptone Manufacturing, Inc.

1740 Julia Goldbach Avenue

Ronkonkoma, New York, U.S.A 11779

Phone: 631-567-7250 (8 AM to 5:30 PM, EST, Monday to Friday)

Supplier's name and address:

Refer to manufacturer.

Emergency Tel.#: Chemtrec (800) 424-9300 (Within Continental U.S.)
Chemtrec (703) 527-3887 (Outside Continental U.S.)

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Ingredients</u> | <u>CAS #</u> | <u>% (weight)</u> | <u>ACGIH TLV</u> | | <u>OSHA PEL</u> | |
|--|--------------|-------------------|------------------|-------------|-----------------|-------------|
| | | | <u>TWA</u> | <u>STEL</u> | <u>PEL</u> | <u>STEL</u> |
| Hydrotreated Distillate, Light | 64742-47-8 | 20 - 60 | N/Av | N/Av | N/Av | N/Av |
| Solvent Naphtha (Petroleum), Medium Aliphatic | 64742-88-7 | 10 - 50 | N/AV | N/Av | N/Av | N/Av |

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200).

SECTION 3 — HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Thick, green, liquid, . Slight hydrocarbon odor.

Warning! Combustible liquid and vapor. May be harmful or fatal if swallowed.

Product may enter lungs and cause damage. Causes eye irritation. May cause allergic skin reaction.

May be harmful if inhaled. Inhalation may cause respiratory irritation and Central Nervous System effects.

Prolonged or repeated skin contact may dry skin and cause irritation. Contains materials which may cause liver and kidney effects. May be a cancer hazard. May contain various levels of a material which can cause cancer.

POTENTIAL HEALTH EFFECTS

Target organs: Eyes, skin, respiratory system, digestive system, central nervous system, liver, kidneys.

Routes of exposure: Skin contact, eye contact, inhalation, ingestion.

Signs and symptoms of short-term (acute) exposure:

Inhalation: Inhalation may cause irritation to the nose, throat and upper respiratory tract. Symptoms may include headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. In extremely high concentrations may cause coma, respiratory collapse and death.

Skin: Direct skin contact may cause mild irritation. Symptoms may include burning sensation, redness and itching. Prolonged contact may be more irritating.

Eyes: Direct eye contact may cause moderate to severe irritation. Symptoms may include redness, tearing, blinking and pain.

Ingestion: Ingestion may cause moderate to severe irritation and pain in the mouth, throat and stomach. Symptoms may include headaches, nausea, dizziness, drowsiness and other central nervous system effects. Ingestion may cause aspiration of the chemical into the lungs. Aspiration can result in life-threatening lung injury.

SECTION 3 — HAZARDS IDENTIFICATION Continued

Chronic effects: Repeated or prolonged skin exposure may result in drying, cracking and defatting of the skin (dermatitis).
Prolonged or repeated inhalation or ingestion may cause liver and kidney effects.

Conditions aggravated by exposure: May aggravate pre-existing skin, eye and respiratory problems.

Carcinogenic status: See TOXICOLOGICAL INFORMATION, Section 11.

Additional health hazards: Skin sensitizer. For further information, see TOXICOLOGICAL INFORMATION, Section 11.

Potential environmental effects: See ECOLOGICAL INFORMATION (Section 12).

SECTION 4 — FIRST AID MEASURES

Inhalation: Immediately remove person to fresh air. If breathing has stopped, begin artificial respiration. Obtain medical attention.

Skin contact: Wash skin thoroughly with soap and water, while removing contaminated clothing. Obtain medical attention. Launder clothing before reuse.

Eye contact: Immediately flush eyes with running water for a minimum of 15 minutes. Obtain medical attention.

Ingestion: Do not induce vomiting! Obtain medical attention immediately. Never give anything by mouth to an unconscious or convulsing person.

SECTION 5 — FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Combustible liquid. This material will be ignited by heat, flames or other sources of ignition. Closed containers may rupture if exposed to excess heat or flame, due to a build-up of internal pressure. Product may float and be re-ignited at water's surface. Vapors may be heavier than air and may collect in confined and low-lying areas.

Flammability classification (OSHA 29 CFR 1910.1200): Class IIIA Combustible Liquid.

Flash point (Method): 172°F / 77.8°C (Pensky Martens Closed Cup)

Auto-ignition temperature: N/Av

Lower flammable limit (% by vol.): N/Av

Upper flammable limit (% by vol.): N/Av

Explosion data: *Sensitivity to mechanical impact / static discharge:* May be sensitive to static discharge.

Oxidizing properties: None known.

Suitable extinguishing media: Water fog, foam, carbon dioxide or dry chemical. Do not use water jet as this may spread burning material.

Special fire-fighting procedures/equipment: Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water spray/jet used for cooling purposes.

Hazardous combustion products: Carbon oxides, silicon oxides, formaldehyde, nitrogen oxides and other irritating fumes and smoke.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal precautions: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate chemically protective equipment. Keep all other personnel upwind and away from the spill/release. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

Environmental precautions: Ensure spilled product does not enter drains, sewers, waterways or confined spaces.

Spill response/Cleanup: Eliminate all sources of heat, sparks, flame and ignition sources. Ventilate area of release. Stop leak if you can do so without risk. Contain and absorb with non-combustible absorbent material, such as vermiculite or sand. Do not use combustibles, such as sawdust. Then place absorbent material into a container for later disposal (see Section 13). Use non-sparking tools. Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Prohibited materials: None known.

Special spill response procedures: In case of a transportation accident, contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. If a spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002).

DOT/CERCLA Reportable quantity (RQ): None reported

SECTION 7 — HANDLING AND STORAGE

Safe handling procedures: This material is a combustible, harmful liquid. Wear protective equipment during handling. Use in a well-ventilated area. Avoid breathing vapors. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks, flame, ignition sources and direct sunlight. Use non-sparking tools. Large containers should be bonded and grounded during transfer operations. Keep away from oxidizing agents and incompatibles. Use caution when opening cap. Keep container closed when not in use. Assume empty containers contain residues, which are hazardous. Wash hands before eating, drinking, smoking or use of toilet facilities. Launder contaminated clothing before reuse.

Storage requirements: Store in a cool, dry, well-ventilated area away from sources of heat, ignition and sunlight. Keep away from incompatibles. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking in the area.

Special packaging materials: Always keep in containers made of the same materials as the supply container.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: Use adequate ventilation to maintain air contaminants below exposure limits. Local exhaust is recommended

Respiratory protection: Respiratory protection is required if the airborne concentration exceeds exposure limits. When concentrations exceed the exposure limits specified, use of a NIOSH-approved respirator. Advice should be sought from respiratory protection specialists.

Skin protection and other protective equipment: Protective gloves impervious to the material should be worn during use. Advice should be sought from glove suppliers. Additional protective clothing, such as long sleeve shirts, are recommended to prevent skin contact. An eyewash station and safety shower should be made available in the immediate working area.

Eye / face protection: Use chemical splash goggles when a potential for splashing exists. Contact lenses should not be worn.

General hygiene considerations: Avoid excessive inhalation of vapors and mists. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when working. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

Permissible exposure levels: For individual ingredient exposure levels, see Section 2.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical state, odor and appearance: Thick, green liquid . Slight hydrocarbon odor.

Odor threshold: N/Av.

Specific gravity: 1.03

Vapor pressure (PSIG): N/Av.

Boiling point: N/Av.

Evaporation rate (n-Butyl acetate = 1): <1.

Coefficient of water/oil distribution: N/Av

Solubility in water: Not soluble.

Vapor density (Air = 1): N/Av

Freezing point: N/Av.

pH: N/A

SECTION 10 — REACTIVITY AND STABILITY DATA

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Stability and reactivity: Stable under the recommended storage and handling conditions prescribed..

Hazardous polymerization: Will not occur.

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources

Materials to avoid (incompatibles): Strong oxidizers

Hazardous decomposition products: Combustion can yield Carbon Dioxide and Carbon Monoxide

SECTION 11 — TOXICOLOGICAL INFORMATION

Toxicological data: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

| <u>Ingredients</u> | <u>LC₅₀(4hr)</u> | <u>LD₅₀ (mg/kg)</u> | |
|--|-----------------------------|--------------------------------|-----------------------|
| | <u>inh, rat</u> | <u>oral, rat</u> | <u>dermal, rabbit</u> |
| Hydrotreated Distillate, Light | Not available | >2000. | >2000. |
| Solvent Naphtha (Petroleum) Medium Aliphatic | Not available | >15000 | >3160 |

Carcinogenic status: Not classified as a carcinogen.

Reproductive effects, Teratogenicity, Mutagenicity: None known.

Sensitization to material: Prolonged and/or skin contact may defat the skin and result in possible irritation or dermatitis.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicological information: The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters. Do not discharge product unmonitored into the environment.

Chemical fate information: There is no data available on the product itself.

SECTION 13 — DISPOSAL CONSIDERATIONS

Handling for disposal: Handle according to recommendations listed in Section 7.

Methods of disposal: Dispose in accordance with all applicable federal, state and local regulations. Contact your local, state or federal environmental agency for specific rules.

RCRA: Contaminated product, soil or water may be an RCRA/OHSA hazardous waste due to potential combustibility (See RCRA 40 CFR 261 and OSHA 29 CFR 1910). For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14 — TRANSPORTATION INFORMATION

US 49 CFR information:

| | |
|------------------------------|-------------------------------|
| Proper Shipping Name: | Petroleum Distillates, N.O.S. |
| UN No.: | 1268 |
| Hazard Class - Primary: | Combustible liquid. |
| Packing Group: | III |
| Flash Point: | 172°F |
| RQ LBS: | None reported. |
| RQ Components: | Not applicable. |
| DOT Emergency response guide | Page 128. |

Special Transportation Notes: This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

Canadian Transportation of Dangerous Goods Regulations (TDGR) information: Not regulated for transport by ground within Canada.

SECTION 15 — REGULATORY INFORMATION

US Federal Information:

TSCA information: All ingredients are listed on the TSCA inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III:

Sec. 302, Extremely Hazardous Substances, 40 CFR 355: No Extremely Hazardous Substances are present.

Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute); Delayed (Chronic);

Fire. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This material is not subject to the TSCA notification requirements, since it does not contain any Toxic Chemical constituents.

US State Right to Know Laws:

California Proposition 65: None Known

New Jersey Labeling Requirements: This product contains the following substances required to be disclosed on product labeling:

| <u>Chemical Name</u> | <u>CAS #</u> | <u>% (weight)</u> | <u>New Jersey Hazardous Substance</u> |
|---|--------------|-------------------|---------------------------------------|
| Hydrotreated Distillate, Light | 64742-47-8 | 20 - 60 | No |
| Solvent Naphtha (Petroleum), Medium Aliphatic | 64742-88-7 | 10 - 50 | No |

International Information:

Canadian WHMIS Classification: Class B3 (Combustible liquid)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

Canadian CEPA information: All ingredients are present on the DSL.

SECTION 16 — OTHER INFORMATION

NFPA Rating:

0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 Flammability: 2 Instability: 0 Special Hazard: None

HMIS Rating:

* - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: 1 Flammability: 2 Reactivity: 0

Legend:

ACGIH: American Conference of Governmental Industrial Hygienists

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

NIOSH: National Institute of Occupational Safety and Health

CAS: Chemical Abstract Services

CFR: Code of Federal Regulations

DOT: Department of Transportation

EPA: Environmental Protection Agency

HMIS: Hazardous Materials Identification System

mppcf: Million particles per cubic foot of air

IARC: International Agency for Research on Cancer

N/Ap: not applicable

N/Av: not available

NFPA: National Fire Protection Association

OSHA: Occupational Safety and Health Administration

NTP: National Toxicology Program

RCRA: Resource Conservation and Recovery Act

PEL: Permissible Exposure Limit

SARA: Superfund Amendments & Reauthorization Act

STEL: Short Term Exposure Limit

TLV: Threshold Limit Values

TSCA: Toxic Substance Control Act

SECTION 16 — OTHER INFORMATION

- References:**
1. ACGIH, Threshold Limit Values and Biological Exposure Indices for 2004.
 2. International Agency for Research on Cancer Monographs, searched 2005.

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3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2005 (Chempendium and RTECs).
4. Material Safety Data Sheet from manufacturer.
5. US EPA Title III List of Lists – January 27, 2005 version.
6. California Proposition 65 List – May 20, 2005 version.

Prepared by: Gliptone Manufacturing, Inc.
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Preparation date: July 22, 2009

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