

# MATERIAL SAFETY DATA SHEET

GUMOUT GAS MILEAGE IMPROVER

## 1. PRODUCT AND COMPANY IDENTIFICATION MSDS Number: 26197

Version Date: 7/14/2005

**Product Name:** GUMOUT GAS MILEAGE IMPROVER

**Product Use:** Fuel system cleaner

**Synonyms:** 5066684

### Company Information

SOPUS Products

P.O. Box 4427

Houston, TX 77210-4427

USA

### Phone Numbers

**Medical Emergency:** 1-800-546-6040

**Transportation Emergency (USA):** 1-800-424-9300

**Transportation Emergency (International):**

1-703-527-3887 (Call Collect)

**MSDS Assistance:** 1-800-546-6227

**Fax On Demand:** 1-800-546-6227

**Technical Assistance:** 1-800-458-4998

**Customer Service:** 1-800-468-8397

**Fax Number:** 713-217-3181

**Internet Address:** www.MSDS.PZLQS.com

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## 2. COMPONENT INFORMATION

Component CAS No. Weight Percent

Range

Hazardous

in Blend

HYDROCARBON SOLVENTS MIXTURE 30 - 55 Yes

ADDITIVE PACKAGE MIXTURE 20 - 45 Yes

HEAVY AROMATIC SOLVENT NAPHTHA 64742-94-5 1 - 5 Yes

NAPHTHALENE 91-20-3 0.2 Yes

This product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### Hazards:

**Flammable/Combustible X Acute Toxin X Chronic Toxin X Carcinogen X**

**Pressure -- Reactive -- Exposure Limit -- Target Organ -- Other --**

**Other:** No information available

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## 3. HAZARDS IDENTIFICATION

### Emergency and Hazards Overview

DANGER: HARMFUL OR FATAL IF SWALLOWED. SKIN IRRITANT.

**NFPA Ratings:** Health 2 Flammability 2 Reactivity 0

**Primary Route of Exposure:** Skin X Inhalation X Eye X

### Health Effect Information

**Eye Contact:** Avoid eye contact. This product may be slightly irritating to the eyes upon direct contact. Based on testing of similar products and/or components. Exposure to high concentrations of vapors may be irritating to the eyes.

**Skin Contact:** Avoid skin contact. This product may cause slight skin irritation upon direct contact. Based on testing of similar products and/or components. Prolonged or repeated contact may result in contact dermatitis which is characterized by dryness, chapping, and reddening. May be absorbed through skin.

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**Inhalation:** Avoid prolonged inhalation of vapors. This product may be considered a low health hazard unless inhaled in very high concentrations. Acute and chronic exposure to vapors may be irritating to the respiratory tract. Severe intoxication may lead to drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea. Exposure to even higher concentrations may lead to loss of consciousness and convulsions followed by death. At extremely high concentrations where oxygen displacement is a factor, asphyxiation may occur.

**Ingestion:** Do not ingest. Ingestion of small quantities is usually nonfatal unless aspiration occurs.

Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking, and gagging are often noted at the time of aspiration. Gastrointestinal discomfort may develop, followed by vomiting with a further risk of aspiration. Severe oral intoxication will lead to intense burning of the throat and may result in drowsiness, dullness, numbness, and headache followed by dizziness, weakness, and nausea. Loss of consciousness and convulsions followed by death may result.

**Medical Conditions Aggravated by Exposure:** Drying and chapping may make the skin more susceptible to other irritants, sensitizers and disease.

**Other:** No information available

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#### 4. FIRST AID INFORMATION

**Eye Contact:** Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If irritation persists, seek medical attention.

**Skin Contact:** No treatment is necessary under ordinary circumstances. Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention. Use a hand or skin lotion to prevent dryness.

**Inhalation:** If victim exhibits signs of vapor intoxication remove to fresh air. If discomfort persists seek medical attention. If breathing has stopped or is irregular, administer artificial respiration and supply oxygen if it is available. If victim is unconscious, remove to fresh air and seek immediate medical attention.

**Ingestion:** Do not induce vomiting due to aspiration hazard. If vomiting occurs lower head below knees to avoid aspiration. Seek immediate medical attention.

**Notes to Physician:** No information available

**Other:** No information available

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#### 5. FIRE AND EXPLOSION INFORMATION

##### Flammable Properties

**Flash Point:** 165 F, 73.9 C **Test Method:** ASTM D-93 (P.M.C.C.)

##### Flammable Limits in Air

**Upper Percent:** No data available

**Lower Percent:** No data available

**Autoignition Temperature:** No data available **Test Method:** No information available

**NFPA Classification:** Class III-A combustible liquid

**Extinguishing Media:** Use water spray (fog), dry chemical, foam, or carbon dioxide.

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##### Fire Fighting Measures

**Special Fire Fighting Procedures and Equipment:** Water may be ineffective but can be used to cool containers exposed to heat or flame to prevent vapor pressure buildup and possible container rupture.

**Unusual Fire and Explosion Conditions:** Dense smoke may be generated while burning. Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion.

**Hazardous Combustion By-Products:** None

**Other:** No information available

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Remove all sources of ignition. Provide adequate ventilation during clean-up.

Consult Health Effect Information in Section 3, Personal Protection Information in Section 8, Fire and Explosion Information in Section 5, and Stability and Reactivity Information in Section 10.

**Regulatory Notifications:** Notify appropriate authorities of spill.

**Containment and Clean up:** Contain spill immediately. Do not allow spill to enter sewers or watercourses. Absorb with solvent absorbent material. Large spills may be picked up using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers.

**Other:** No information available

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## 7. HANDLING AND STORAGE INFORMATION

**Handling:** Do not open or use in unventilated, enclosed or confined spaces. All ignition sources in the area should be controlled. Fire extinguishers should be kept readily available. See NFPA 30 and OSHA 1910.106--Flammable and Combustible Liquids.

**Storage:** Do not transfer to unmarked containers. Store in a cool, well ventilated area in closed containers away from heat, sparks, open flame or oxidizing materials.

### Empty Container Warnings

**Drums:** Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed. Empty containers retain product residue 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.

**Plastic:** Do not reuse this container. Empty container may retain product residues.

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**Other:** No information available

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

### Exposure Limits and Guidelines

Component CAS No. Exposure Limit

HEAVY AROMATIC SOLVENT NAPHTHA 64742-94-5 OSHA - PEL: TWA 500 ppm

ACGIH - TLV: TWA 100 ppm

NAPHTHALENE 91-20-3 OSHA - PEL: TWA 10 ppm

ACGIH - TLV: TWA 10 ppm

ACGIH - TLV: STEL 15 ppm

### Personal Protective Equipment

**Eye/Face Protection:** Eye protection is not required under conditions of normal use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

**Skin Protection:** No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc.) over parts of the body subject to exposure. Launder soiled clothes.

**Respiratory Protection:** Respiratory protection is not required under conditions of normal use. If excessive levels of mists or vapors are generated while using this product, use an organic vapor respirator. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.

**Personal Hygiene:** Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating, drinking, or smoking.

### Engineering Controls / Work Practices

**Ventilation:** If product is used in enclosed or confined spaces, adequate ventilation must be provided to prevent buildup of vapors or mists. Adequate ventilation in accordance with good engineering practice must be provided to maintain concentrations below the specified exposure or flammable limits. See also Fire and Explosion Information in Section 5.

**Other:** The OSHA PEL and ACGIH TLV for stoddard solvent is 525 mg/m<sup>3</sup>. NIOSH recommended limits for petroleum distillates are 350 mg/m<sup>3</sup> (10-hr TWA) and 1800 mg/m<sup>3</sup> (15-min ceiling).

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Yellow

**Odor:** Mild **Vapor Pressure:** No data available

**Physical state:** Liquid **Vapor Density (air=1):** No data available

**pH:** No data available **Percent Volatile by Volume:** No data available

**Boiling Point:** No data available **Volatile Organic Content:** No data available

**Melting Point:** No data available **Molecular Weight:** No data available

**Specific Gravity:** 0.89 @ 16 C / 60 F **Average Carbon Number:** No data available

**Pour Point:** No data available **Viscosity @ 100 F:** No data available

**Viscosity @ 40 C:** 12.5 cSt

**Solubility in Water:** Insoluble in water

**Octanol / Water Coefficient: Log K<sub>ow</sub>** = No data available

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## 10. STABILITY AND REACTIVITY INFORMATION

**Chemical Stability:** Stable

**Conditions to Avoid:** High heat and open flames.

**Incompatible Materials to Avoid:** May react with strong oxidizing agents.

**Other:** No information available

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## 11. TOXICOLOGICAL INFORMATION

**Primary Eye Irritation:** Naphthas are not primary eye irritants (rabbit).

**Primary Skin Irritation:** No information available

**Acute Dermal Toxicity:** No information available

**Subacute Dermal Toxicity:** No information available

**Dermal Sensitization:** No information available

**Inhalation Toxicity:** Some components of these blends are considered uniquely toxic at high concentrations, such as benzene (bone marrow disorders including leukemia and anemia), and nhexane (peripheral neuropathy). However, at the low concentrations at which they may be present in the blend, and at the low exposure levels at which they may be encountered as vapors, these components do not present a significant health risk.

**Inhalation Sensitization:** No information available

**Oral Toxicity:** No information available

**Mutagenicity:** Naphthas have equivocal genotoxic activity in vitro and in vivo.

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**Carcinogenicity:** Light hydrocarbons such as stoddard solvent, VM & P naphtha and C10-C11 isoparaffins have produced kidney damage in male rats, but not in female rats or mice. The Environmental Protection Agency (EPA) has concluded that rat kidney damage and tumors induced by light petroleum hydrocarbons are not relevant to humans. Various naphthas tested were not carcinogenic in mouse skin painting studies conducted by the American Petroleum Institute (API). The International Agency for Research on Cancer (IARC) has concluded that petroleum solvents are Group 3 substances, "not classifiable as to their carcinogenicity to humans".

**Reproductive and Developmental Toxicity:** No information available

**Teratogenicity:** Naphthas are not teratogenic (mouse).

**Immunotoxicity:** No information available

**Neurotoxicity:** No information available

**Other:** The contributory nature of each component to the toxic profile of naphthas is unknown.

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## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:** May be toxic to aquatic organisms.

**Terrestrial Toxicity:** No information available

**Chemical Fate and Transport:** This substance is expected to biodegrade at a moderate rate and be "inherently" biodegradable according to OECD guidelines.

**Other:** No information available

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### 13. DISPOSAL INFORMATION

**Regulatory Information:** All disposals must comply with federal, state, and local regulations. Refer to state and local regulations. The material, if spilled or discarded, may be a regulated waste.

Caution! If regulated solvents are used to clean up spilled material, the resulting waste mixture may be regulated. Department of Transportation (DOT) regulations may apply for transporting this material when spilled.

**Waste Disposal Methods:** Waste material may be landfilled or incinerated at an approved facility.

Materials should be recycled if possible.

**Other:** No information available

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### 14. TRANSPORTATION INFORMATION

**U.S. Department of Transportation (DOT)**

**Highway / Rail (Bulk):** Not Regulated

**Highway / Rail (Non-Bulk):** Not Regulated

For US shipments, US DOT law requires the shipper to determine the proper shipping description of the material that is being shipped. The shipping information and description contained in this section may not be suitable for all shipments of this material, but may help the shipper determine the proper shipping description for a particular shipment.

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**International Information**

**Vessel: IMDG Regulated: -- IMDG Not Regulated: X**

**Air: ICAO Regulated: -- ICAO Not Regulated: X**

**Other:** No information available

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### 15. Regulatory Information

**Regulatory Lists Searched:** The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See **Regulatory Search Results** below.

**Health & Safety:** 10 - IARC carcinogen, 11 - NTP carcinogen, 12 - OSHA carcinogen, 15 - ACGIH TLV, 16 - OSHA PEL, 17 - NIOSH exposure limit, 20 - US DOT Appendix A, Hazardous substances, 22 - FDA 21 CFR Total food additives, 23 - NFPA 49 or 325

**Environmental:** 30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depleters, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC's) in SOCMI, 41 - CERCLA / SARA Section 302 extremely hazardous substances, 42 - CERCLA / SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45 - CWA Toxic pollutants, 46 - EPA Proposed test rule for hazardous air pollutants, 47 - RCRA Basis for listing - Appendix VII, 48 - RCRA waste, 49 - SDWA - (S)MCLs

**International:** 50 - Canada - WHMIS Classification of substance, 54 - Mexico - Drinking water - ecological criteria, 55 - Mexico - Wastewater discharges, 56 - US -TSCA Section (12)(b) - export notification

**State Lists:** 60 - CA - Proposition 65, 61 - FL - Substances, 62 - MI - Critical materials, 63 - MA - RTK, 64 - MA - Extraordinarily hazardous substances, 65 - MN - Hazardous substances, 66 - PA - RTK, 67 - NJ - RTK, 68 - NJ - Environmental hazardous substances, 69 - NJ - Special hazardous substances

**Inventories:** 80 - Canada - Domestic substances, 81 - European - EINECS, 82 - Japan - ENCS, 83 - Korea - Existing and evaluated chemical substances, 84 - US - TSCA, 85 - China Inventory

**Regulatory Search Results:**

HEAVY AROMATIC SOLVENT NAPHTHA: 50, 80, 81, 83, 84, 85

NAPHTHALENE: 15, 16, 17, 20, 23, 30, 33, 42, 43, 44, 45, 46, 47, 48, 50, 54, 60, 61, 63, 65, 66, 67, 68, 69, 80, 81, 82, 83, 84, 85

**U.S. TSCA Inventory:** All components of this material are on the US TSCA Inventory.

**SARA Section 313:** Consumer products are not regulated under SARA, Title III, Section 313.

**IARC:** Group 2B

**SARA 311 / 312 Categories**

**Acute:** X **Chronic:** -- **Fire:** X **Pressure:** -- **Reactive:** --

**Not Regulated:** --

**Canadian WHMIS Classification**

Class B - Flammable and Combustible Material, Division 3, Combustible Liquid

Class D - Poisonous and infectious material, Division 2B, Toxic Material

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**European Union Classification**

**Hazard Symbols:**

No information available

**Risk Phrases:**

No information available

**Safety Phrases:**

No information available

**Other:** No information available

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### **16. OTHER INFORMATION**

**Health and Environmental Label Language**

Front Label:

DANGER: HARMFUL OR FATAL IF SWALLOWED. SKIN IRRITANT.

Read carefully other cautions on back.

Back Label:

DANGER: Contains hydrocarbon solvents. Aspiration hazard - can enter lungs and cause pneumonitis. Prolonged and repeated skin contact may cause drying of skin.

PRECAUTIONARY MEASURES: Keep away from heat and flames. Do not ingest. Avoid breathing of mists and vapors. Use only in well ventilated areas. Avoid skin contact. Wash thoroughly after handling.

FIRST AID: If swallowed, do not induce vomiting. Call physician immediately. For contact with skin or eyes flush thoroughly with water.

KEEP OUT OF REACH OF CHILDREN.

**MSDS Revisions**

**Previous Version Date:** Not applicable, this MSDS is the first version.

**Previous Version Information**

No information available

**Other**

No information available

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