

SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: GPR-1	Product Identification # (PIF): 00764
Product Use: Floating Sewer Degreaser	Emergency Telephone #: 1-800-255-3924 ChemTel
Manufactured for: Visual Pollution Technology	General Information #: 480-657-9183
P.O. Box 12833	Date Prepared: April 23, 2014
Scottsdale, AZ 85267-2833	Date Revised: May 6, 2016

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification:



Signal Word: DANGER

Hazard Statement	Category	Code	Hazard Class
Flammable liquid and vapor	3	H226	Flammable Liquid
May be harmful if swallowed	5	H303	Acute Oral Toxicity
May be fatal if swallowed and enters airways	1	H304	Aspiration Hazard
Causes skin irritation	2	H315	Skin Irritation
May cause an allergic skin reaction	1	H317	Skin Sensitization
Causes eye irritation	2B	H320	Eye Irritation
May cause respiratory irritation	3	H335	STOT: SE, Respiratory Tract Irritation
May cause drowsiness or dizziness	3	H336	STOT, Single Exposure; Narcotic effects
May cause genetic defects	1B	H340	Germ Cell Mutagenicity
May cause cancer	1B	H350	Carcinogenicity
Suspected of damaging fertility and the unborn child	2	H361fd	Reproductive Toxicity
Toxic to aquatic life with long-lasting effects	2	H411	Hazardous to the Aquatic Environment, Long-term hazard

Precautionary Measures:

Category	Code	Statement
Prevention	P201 P202 P210 P233 P240 P241 P242 P243 P261 P264 P271 P272 P273 P280 P281	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing fumes/mists/ vapors/sprays. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Use personal protective equipment as required.
Response	P301+P310 P331 P303+P361+P353 P302 + P352 P321 P333+P313 P362 P304+P340 P312 P305+P351+P338 P337+P313 P308+P313 P370+P378 P391	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. IF ON SKIN: Wash with soap and water. Specific treatments: See Section 4 First Aid Measures. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical attention/advice. In case of fire: Use foam, dry chemical, carbon dioxide fire extinguishers or water spray for extinction. Collect spillage.
Storage	P403+P233+P235 P405	Store in a well ventilated place. Keep container tightly closed. Keep cool. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Description of any hazards not otherwise classified: May cause skin defatting (dermatitis).

SECTION 3.

COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Naphtha (petroleum), hydrodesulfurized heavy	Regular mineral spirits	64742-82-1	71 – 75
D-Limonene	Orange Terpenes	5989-27-5	18 – 22
2-butoxyethanol	Ethylene glycol monobutyl ether, EB	111-76-2	0.5 – 3

Additional information: Contains Benzene, CAS # 71-43-2, Toluene, CAS # 108-88-3, Ethylbenzene, CAS # 100-41-4, n-Hexane, CAS # 110-54-3, Xylene (Mixed Isomers), CAS # 1330-20-7, Naphthalene, CAS # 91-20-3, Cyclohexane, CAS# 110-82-7, Tri-methyl-benzene (all isomers), CAS# 25551-13-7.

SECTION 4.

FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.

Skin: Remove immediately all contaminated clothing and launder before reuse. Rinse skin with water/shower. Wash with soap and water. If irritation persists, seek medical attention. If exposed or concerned: Get medical attention/advice. Contaminated work clothing should not be allowed out of the workplace.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing – Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

Ingestion: Immediately call a POISON CENTER or doctor/physician. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5.

FIRE-FIGHTING MEASURES

Flammability: Class II Combustible Liquid

Flash Point: 117°F (47°C)

Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers. Do not spray water directly on fire. Use water spray to cool containers.

Specific hazards arising from chemical: Vapors are heavier than air and may travel along the ground to an ignition source. Readily ignited by static discharge. Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is combustible and readily ignited even by static discharge. Grounding equipment is recommended.

SECTION 6.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required (Section 8). Eliminate all sources of ignition – No smoking. Ventilate area. Avoid breathing fumes/mists/ vapors/sprays. Avoid release to the environment – Collect spillage. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

For Small Spills: Spilled material may be slippery. Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Vapor-suppressing foam may be used to reduce vapors. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste with non-sparking tools. Wash walking surfaces with water to reduce slipping hazard. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7.

HANDLING AND STORAGE

Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required (Section 8). Use only outdoors or in a well-ventilated area. Avoid breathing fumes/mists/vapors/sprays. Do not handle around sources of ignition. Use proper bonding and grounding during product transfer as described in document NFPA 77. Use explosion-proof equipment and non-sparking tools. Take precautionary measures against static discharge. Vapors are heavier than air and may travel along the ground to an ignition source. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively. Do not premix with other chemicals. Avoid release to the environment – Collect spillage. Do not eat, drink or smoke in work areas. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Storage: Keep away from heat, flame, or sunlight – keep cool. Keep from freezing. Keep container tightly closed when not in use. Store locked up. Store in a well-ventilated place. Protect from physical damage. Store away from strong oxidizing agents and strong acids.

SECTION 8.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	Not determined	0.5 ppm	2.5 ppm
D-Limonene	5989-27-5	Not determined	Not determined	Not determined
2-butoxyethanol	111-76-2	50ppm	20ppm	Not established

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles. Wear a face shield if splashing hazard exists.

Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing. Boots. Wear apron if handling large amounts.

Respirator: Use NIOSH approved protection with organic vapor cartridge if PEL is exceeded or if vapors are causing irritation.

Other: Use only in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Straw-colored, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Citrus	Vapor pressure	>0.1mmHg @ 20°C
Odor threshold	Not determined	Vapor density (Air = 1)	>1
pH	Not applicable	Specific gravity (water = 1.0)	0.780 g/ml
Melting point	Not determined	Solubility	Insoluble in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	117°F (47°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Class II Combustible	VOC by weight	94%

SECTION 10. STABILITY AND REACTIVITY

Reactivity: May oxidize in the presence of air.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Vapors may form explosive mixture with air. Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Incompatible materials: Avoid strong oxidizing agents and strong acids.

Hazardous combustion products: Carbon monoxide and carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): >2000 mg/kg

Dermal (LD50 Rabbit): >5g/kg

Inhalation (LC50 Rat): >5 mg/l

Skin corrosion/irritation: Skin irritant. Symptoms may include reddening and itching. Prolonged contact may cause skin defatting (dermatitis). May cause an allergic skin reaction

Serious eye damage/irritation: Eye irritant. Symptoms may include a burning sensation, tearing, swelling and redness. Symptoms may persist for several days.

Respiratory or skin sensitization: Inhalation of mists/vapors may cause irritation of respiratory tract. Symptoms may include coughing and difficulty breathing. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. May cause an allergic skin reaction.

Germ cell mutagenicity: May cause heritable genetic damage (Benzene).

Carcinogenicity: NTP/IARC/OSHA Carcinogen: Naphtha (petroleum), heavy alkylate – IARC Group 2B: Possibly carcinogenic to human. Known human carcinogen – Benzene. May cause leukaemia – Benzene. IARC Group 3 – Orange Terpenes CAS# 5989-27-5.

Reproductive toxicity: Suspected of damaging fertility and the unborn child. Causes fetotoxicity at doses which are maternally toxic – Toluene. May impair fertility at doses which produce other toxic effects – n-Hexane. Many case studies involving abuse during pregnancy indicate that Toluene can cause birth defect, growth retardation and learning difficulties – Toluene.

STOT-single exposure: May cause respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure: Not classified

Aspiration hazard: May be fatal if swallowed and enters airways.

Ingestion: May be harmful if swallowed. May irritate the mouth, throat and gastrointestinal tract. May be fatal if swallowed and enters airways.

Likely routes of exposure: Eyes, skin and inhalation

Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LC-50 (fish): 3.1 – 4.0 mg/L

96h EC-50 (invertebrates): 1 – 10 mg/l

48h LC-50 (algae): 1 – 10 mg/l

Persistence and degradability: Expected to be inherently biodegradable.

Bioaccumulative potential: Contains constituents with the potential to bioaccumulate.

Mobility in soil: One or more constituents will be mobile in soil and may contaminate ground water. This product floats on water. This product is volatile and may spread in the atmosphere.

Other adverse effects: Toxic to aquatic life with long-lasting effects: Avoid release to the environment – Collect spillage.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Toxic to aquatic life with long-lasting effects – avoid release to the environment and collect spillage.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

United States DOT

Container of 119 gallons or less:

Combustible Liquid (49 CFR 173.120(b)(2): This material is not regulated under 49 CFR if in a container of 119 gallon capacity or less for ground transportation. Exception CFR 173.150(f)(2): Combustible liquids. This exception does not apply to transportation by vessel or aircraft.

Container of 120 gallons or more:

UN/ID No.: UN1993
Proper Shipping Name: Flammable Liquids, n.o.s., (Naphtha (petroleum), hydrodesulfurized heavy, Terpene Hydrocarbons)
Hazard Class: 3
Packing Group: III

IATA and IMDG

UN/ID No.: UN1993
Proper Shipping Name: Flammable Liquids, n.o.s., (Naphtha (petroleum), hydrodesulfurized heavy, Terpene Hydrocarbons)
Hazard Class: 3
Packing Group: III
Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101)
Toxic to aquatic life with long-lasting effects.
Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	Yes
Delayed (Chronic) Health	Yes	Reactive Hazard	No

SARA Title 313: This material contains the following chemical components with known CAS numbers subject to reporting requirements (40 CFR 372): Ethylene Glycol Monobutyl Ether CAS# 111-76-2, percent by wt. = 1.4%.

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: (Naphtha (petroleum), heavy alkylate) CAS #64741-65-7 – Massachusetts, Pennsylvania and New Jersey. Ethylene Glycol Monobutyl Ether CAS# 111-76-2 - California, Massachusetts, Minnesota, New Jersey & Pennsylvania.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: A waste containing this product may have the RCRA hazardous waste no. D001 (Ignitable) (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

Date Prepared: May 6, 2016 – SDS updated to meet revision #5 GHS requirements.

Hazard Ratings (HMIS): Health 2, Flammability 2, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
GHS	Globally Harmonized System
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act

VOC	Volatile Organic Compounds
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The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.