

SAFETY DATA SHEET

BT HT GAS OIL

Section 1: Product and Company Identification

Product Identifier	BT HT GAS OIL	
Other Means of Identification	Not available	
Recommended Use	Fuel Oil, Hydro-gas oil, Distillate	
Recommended Restrictions	None known	

Manufacturer/Importer/Supplier/Distributor Information



Company Name	Blue Tide Environmental, LLC	
Address	5841 Legacy Circle, Suite 250D Plano, TX 75024	
Telephone	Technical Questions	(469) 956-3336
Website	www.bluetideenv.com	
Emergency Phone Number	Chemtrec	(800) 424-9300

Section 2: Hazard Identification

Classification in accordance with Schedule 1 of Canada's Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200 in the United States

Physical Hazards	Toxic if inhaled. Repeated exposure may cause skin dryness.
Health Hazards	May be fatal if swallowed and enters airways and may cause cancer
OSHA Defined Hazards	Danger

Label Elements

Hazard Symbol	 
Signal Word	Danger
Hazard Statement	Flammable liquid and vapor. Toxic if inhaled.
Precautionary Statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges. Use non-sparking tools. Use only in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust /fume /gas /mist /vapors /spray.
Response	Wash hands after handling. If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately

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	call a doctor/physician. If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If swallowed : Immediately call a doctor. Do not induce vomiting.
Storage	Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Disposal	Dispose of waste and residues in accordance with local authority requirements
Hazard(s) not otherwise classified (HNOC)	Repeated exposure may cause skin dryness or crack

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Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Wt%</u>
Hydrotreated light paraffinic, distillate	64742-55-8	99.9-100
Hydrogen sulfide	7783-06-4	<0.1

Section 4: First Aid Measures

Inhalation	Move to fresh air and keep at rest in a position comfortable for breathing. Call for medical attention if required.
Skin Contact	Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Call a doctor/physician if you feel unwell.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.
Ingestion	Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.
Most Important Symptoms/Effects	Acute: Harmful if inhaled. Delayed: Cancer.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Inhalation of hydrogen sulfide may cause respiratory depression and lead to death. Pulmonary edema may occur up to 48 hours after exposure – keep under observation.

Section 5: Fire Fighting Measures

Suitable extinguishing media	Carbon dioxide, regular foam, dry chemical, water spray.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, this will spread the fire
Specific hazards arising from the chemical	Flammable liquid and vapor
Special protective equipment and precautions for firefighters	A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies
Firefighting equipment/Instructions	Move container from fire area if it can be done without risk. Keep storage containers cool with water spray. Vapor explosion hazard indoors, outdoors, or in sewers. Vapors may

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	travel to ignition source and flashback. Vapors will spread along the ground and collect in low or confined areas. Run-off to sewer may create a fire hazard. Take precautionary measures against static discharges. Use non-sparking tools and equipment.
General Fire Hazards	No unusual fire or explosion hazards noted

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures	Methods and materials for containment and cleaning up: Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal. There may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product.
Environmental Precautions	Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment. This product can generate hydrogen sulfide which can be fatal if inhaled and is a very flammable gas.

Section 7: Handling and Storage

Precautions for Safe Handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Keep container tightly closed. When transferring product, metal containers, including trucks and tank cars, should be grounded and bonded. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Do not inhale aerosols, mists, sprays, fumes or vapors. Sense of smell becomes rapidly fatigued and cannot be relied upon to warn of the continuous presence of hydrogen sulfide. Use in a well ventilated area. Do not eat, drink, or smoke when using this product. Avoid contact with eyes Skin clothing shoes. Wear protective gloves/clothing and eye/face protection.
Conditions for Safe Storage, including any incompatibilities	Keep container tightly closed when not in use and during transport. Store in a dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

Section 8: Exposure Controls / Personal Protection

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Occupational Exposure Limits	No exposure limits noted for ingredient(s)
Biological Limit Values	No biological exposure limits noted for the ingredient(s)
Appropriate Engineering Controls	Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection	Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.
Hand Protection	Where skin contact is likely, wear chemical impervious protective gloves; use of natural rubber (latex), or equivalent gloves is not recommended.
Other	
Respiratory Protection	Sense of smell becomes rapidly fatigued and cannot be relied upon to warn of the continuous presence of hydrogen sulfide. Use NIOSH air-certified, air-supplied respirators (self-contained breathing apparatus or air-line) respiratory protective equipment when concentration of hydrogen sulfide may exceed applicable exposure limits. Protection provided by air purifying respirators is limited. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134.
Thermal Hazards	Wear proper PPE at elevated temperature.
General Hygiene Considerations	Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, gloves, and lab coat or apron.

Section 9: Physical and Chemical Properties

Appearance	Clear Liquid
Physical State	Liquid
Form	Liquid
Color	Amber or red
Odor	Petroleum
Odor Threshold	0.1ppm (based on hydrogen sulfide)
pH	Not available
Melting Point/Freezing Point	Not available
Initial Boiling Point and Boiling Range	130°C-400°C
Flash Point	46°C-47°C
Evaporation Rate	Not available
Flammability (solid, gas)	Not available

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Upper/Lower Flammability or Explosive Limits	
Flammability Limit – Lower (%)	Not available
Flammability Limit – Upper (%)	Not available
Explosive Limit – Lower (%)	Not available
Explosive Limit – Upper (%)	Not available
Vapor Pressure	5 mmHg @ 38°C (100°F)
Vapor Density	4.5
Relative Density @ 15°C	0.85
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	210°C (410°F)
Decomposition Temperature	Not available
Viscosity @ 40°C	
Density	7 lb/gal
Pour Point	-9°C

Section 10: Stability and Reactivity

Reactivity	No reactivity hazard is expected.
Chemical Stability	Material is stable under normal conditions
Possibility of Hazardous Reactions	No dangerous reaction known under conditions of normal use
Conditions to Avoid	Avoid temperatures exceeding the flash point
Incompatible Materials	This product may react with strong acids, bases, oxidizing agents, protic solvents, air or moisture
Hazardous Decomposition Products	Decomposition and combustion materials may be toxic. Decomposition products may include hydrogen sulfide, oxides of carbon, low molecular weight hydrocarbons

Section 11: Toxicological Information

Information on Likely Routes of Exposure:

Ingestion	Irritation, may be fatal if swallowed and enters airways. May cause irritation, diarrhea, lung damage (from aspiration).
Inhalation	Harmful if inhaled. Causes irritation, lung damage.
Skin Contact	Prolonged or repeated exposure may cause skin irritation
Eye contact	May cause eye irritation

Acute and Chronic Toxicity

Component Analysis – LD50/LC50	The components of this material have been reviewed in various sources and the following selected endpoints are published:
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	Distillates, petroleum, hydrotreated light paraffinic (64742-55-8) Oral LD50 Rat >5000 mg/kg (no deaths occurred) (related to Kerosene, petroleum) Dermal LD50 Rabbit >2000 mg/kg (no deaths occurred) (related to Kerosene, petroleum) Inhalation LC50 Rat 3900 mg/m ³ 4 h
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Product Toxicity Data

Acute Toxicity Estimate	No information available
Immediate Effects	Harmful if inhaled. May be fatal if swallowed and enters airways. May irritate the respiratory tract (nose, throat, and lungs), eyes, and skin. May be harmful if swallowed.
Delayed Effects	Cancer. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis). Prolonged or repeated exposure may cause central nervous system and blood damage.
Irritation/Corrosivity Data	May cause skin irritation respiratory tract irritation eye irritation.

Respiratory or Skin Sensitization

Respiratory Sensitization	Based on best current information, there is no known human sensitization associated with this product.
Skin Sensitization	No information available

Germ Cell Mutagenicity	Experimental evidence suggests that this product does not cause mutagenesis.
Tumorigenic Data	No data available
Reproductive Toxicity	No information available for the product
Specific Target Organ Toxicity – Single Exposure	No information on significant adverse effects
Specific Target Organ Toxicity – Repeated Exposure	No information on significant adverse effects
Aspiration Hazard	No information available for the product
Further Information	The product has no known adverse effects on human health

Section 12: Ecological Information

Ecotoxicity	Not expected to be harmful to aquatic organisms
Persistence and Degradability	No information is available for the product
Bioaccumulative Potential	No information is available for the product
Mobility in Soil	No information is available for the product
Other Adverse Effects	No other adverse environmental effects (e.g., ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component

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Section 13: Disposal Considerations

Disposal Instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site
Hazardous Waste Code	The waste code should be assigned in discussion between the user, the producer, and the waste disposal company
Waste from Residues/Unused Products	Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal Instructions)
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal

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Section 14: Transport Information

DOT	PETROLEUM DISTILLATES, Gas Oil Hazard Class: 3 UN/NA #: UN 1268 Packing Group: III Required Label: 3
IATA	PETROLEUM DISTILLATES, Gas Oil Hazard Class: 3 UN/NA #: UN 1268 Packing Group: III Required Label: 3
IMDG	Same as above
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Section 15: Regulatory Information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated
US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Superfund Amendments and Reauthorization Act of 1986

Hydrogène Sulfide	7783-06-4
SARA 302 Extremely Hazardous Substance	500 lb TPQ
SARA 311/312 Hazardous Chemical	No information are available
SARA 313 (TRI Reporting)	100 lb final RQ ; 45.4 kg final RQ

Other Federal Regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Not regulated
Safe Drinking Water Act (SDWA)	Not regulated

US State Regulations

US Massachusetts RTK – Substance List	Not regulated
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US New Jersey Worker and Community Right-to-Know Act	Not listed
US Pennsylvania Worker and Community Right-to-Know Law	Not listed
US Rhode Island RTK	Not regulated
US California Proposition 65	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins
US California Proposition 65 – Carcinogens & Reproductive Toxicity (CRT): Listed Substance	Not listed

International Inventories

Country(s)	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China	Yes
Europe	European Inventory of Existing Commercial chemical Substances (EINECS)	EIN
Europe	European List of Notified Chemical Substances (ELINCS)	EIN
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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Section 15: Regulatory Information

NFPA Ratings	Health: 1 Fire: 1 Instability: 0 Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe
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Section 16: Other information

Other Information, including date of preparation or last revision

Issue Date	07-30-2022
Revision Date	-
Version #	01

Key to Abbreviations	GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods MARPOL 73/78 = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the protocol of 1978 (MARPOL = Marine Pollution) NFPA Ratings Health: 3 Fire: 0 Reactivity: 0 Hazard Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe
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Disclaimer/Statement of Liability	The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, this SDS may not be used as a commercial specification sheet of manufacturer or seller, and no warranty or representation, expressed or implied, is made as to the accuracy or comprehensiveness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.
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