

SAFETY DATA SHEET

BT 220 Base Oil

Section 1: Product and Company Identification

Product Identifier	BT 220	
Other Means of Identification	Not available	
Recommended Use	Base Oil, Base Stock, Re-Refined Oil	
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

Physical Hazards	Not classified
Health Hazards	Not classified
OSHA Defined Hazards	Not classified

Label Elements

Hazard Symbol	None
Signal Word	None
Hazard Statement	The mixture does not meet the criteria for classification
Precautionary Statement	
Prevention	Observe good industrial hygiene practices
Response	Wash hands after handling
Storage	Store away from incompatible materials
Disposal	Dispose of waste and residues in accordance with local authority requirements
Hazard(s) not otherwise classified (HNOC)	
Supplemental Information	Not applicable

SAFETY DATA SHEET

BT 220 Base Oil

Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Wt%</u>
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	100

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	Wash off with soap and water. Get medical attention if irritation develops and persists
Eye Contact	Rinse with Water. Get medical attention if irritation develops and persists
Ingestion	Rinse mouth. Immediately call Poison Center or <u>Doctor/Physician</u>
Most Important Symptoms/Effects	Acute: No information on significant adverse effects Delayed: No information on significant adverse effects
Indication of any immediate medical attention and special treatment needed	-
Notes to Physician	Treat symptomatically and supportively

Section 5: Fire Fighting Measures

Suitable extinguishing media	Water fog. Foam. Dry Chemical Powder. Carbon dioxide (CO2)
Unsuitable extinguishing media	Do not use water jet as an extinguisher, this will spread the fire
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire
Firefighting equipment/Instructions	Move containers away from fire area if you can do so without risk
General Fire Hazards	No unusual fire or explosion hazards noted

SAFETY DATA SHEET

BT 220 Base Oil

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures	Keep unnecessary personnel away. For personal protection see Section 8 of the SDS. Avoid release to the environment
Methods and materials for containment and cleaning up	<p>Small Spills: Wipe up with absorbent material (e.g., cloth, fleece). Clean surface thoroughly to remove residual contamination</p> <p>Large Spills: Stop the flow of material if this is without risk. Dike the spilled material, where this is possible. Absorb with an inert material such as vermiculite, dry sand or earth and place into suitable containers. Following product recovery, flush area with water</p>
Environmental Precautions	Never return spills in original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground

Section 7: Handling and Storage

Precautions for Safe Handling	Observe good industrial hygiene practices
Conditions for Safe Storage, including any incompatibilities	Store in accordance with local/regional/national/international regulation. Store away from incompatible materials (see Section 10 of the SDS)

Section 8: Exposure Controls / Personal Protection

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

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection	If contact is likely, safety glasses with side shields are recommended. Additional protection like goggles, face shields maybe needed. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended
Hand Protection	For prolonged or repeated skin contact use suitable protection

SAFETY DATA SHEET

BT 220 Base Oil

	gloves
Other	Wear suitable protective clothing
Respiratory Protection	No personal respiratory protective equipment normally required
Thermal Hazards	Wear appropriate thermal protective clothing, when necessary
General Hygiene Considerations	Always observe good personal hygiene measures, such as washing after handling the material and before drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

Section 9: Physical and Chemical Properties

Appearance	Liquid
Physical State	Liquid
Form	Liquid
Color	Amber
Odor	Petroleum
Odor Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available
Initial Boiling Point and Boiling Range	>129.5°C (>265°F)
Flash Point	240°C (464°F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not available

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	<0.1 mmHg @ 20°C (68°F)
Vapor Density	Not available
Relative Density @ 15°C	0.864

Solubility (water)	Insoluble
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not available
Viscosity @ 40°C	42.5 cSt

Other Information	
Pour Point	-15°C

SAFETY DATA SHEET

BT 220 Base Oil

Section 10: Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage, and transport
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	Strong oxidizing agents
Hazardous Decomposition Products	None under normal temperatures and pressures

Section 11: Toxicological Information

Information on Likely Routes of Exposure:

Ingestion	No information on significant adverse effects
Inhalation	No information on significant adverse effects
Skin Contact	Prolonged or repeated exposure may cause skin irritation
Eye contact	No information on significant adverse effects

Acute and Chronic Toxicity

Component Analysis – LD50/LC50	<p>The components of this material have been reviewed in various sources and the following selected endpoints are published:</p> <p>Oral LD50 Rat > 2000 mg/kg; Dermal LD50 Rabbit > 4480 mg/kg</p>
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Product Toxicity Data

Acute Toxicity Estimate	Dermal > 2000 mg/kg; Oral > 2000 mg/kg
Immediate Effects	No information on significant adverse effects
Delayed Effects	No information on significant adverse effects
Irritation/Corrosivity Data	May cause slight skin and respiratory irritation

Respiratory or Skin Sensitization

Respiratory Sensitization	No information available for the product
Skin Sensitization	No information available for the product

SAFETY DATA SHEET

BT 220 Base Oil

Germ Cell Mutagenicity	No information available for the product
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

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

SAFETY DATA SHEET

BT 220 Base Oil

Section 14: Transport Information

DOT	Not regulated as dangerous goods
IATA	Not regulated as dangerous goods
IMDG	Not regulated as dangerous goods
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	Not available

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)	Not listed
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed

Superfund Amendments and Reauthorization Act of 1986

(SARA) Hazard Categories	Immediate Hazard – No Delayed Hazard – No Fire Hazard – No Pressure Hazard – No Reactivity Hazard – No
SARA 302 Extremely Hazardous Substance	Not listed
SARA 311/312 Hazardous Chemical	No
SARA 313 (TRI Reporting)	Not regulated

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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SAFETY DATA SHEET

BT 220 Base Oil

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)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
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).

SAFETY DATA SHEET

BT 220 Base Oil

Section 16: Other 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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Other Information, including date of preparation or last revision

Issue Date	05-24-2022
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)
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Disclaimer/Statement of Liability	<p>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.</p>
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