

# 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, LLC	
Address	5841 Legacy Circle, Suite 250D Plano, TX 75024	
Telephone	Technical Questions	(469) 956-3336
Website	<a href="http://www.bluetide.com">www.bluetide.com</a>	
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)	

# SAFETY DATA SHEET

## BT 220 Base Oil

Supplemental Information	Not applicable
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### 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

<b>Inhalation</b>	Move to fresh air and keep at rest in a position comfortable for breathing. Call for medical attention if required
<b>Skin Contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists
<b>Eye Contact</b>	Rinse with Water. Get medical attention if irritation develops and persists
<b>Ingestion</b>	Rinse mouth. Immediately call Poison Center or <u>Doctor/Physician</u>
<b>Most Important Symptoms/Effects</b>	Acute: No information on significant adverse effects  Delayed: No information on significant adverse effects
<b>Indication of any immediate medical attention and special treatment needed</b>	-
<b>Notes to Physician</b>	Treat symptomatically and supportively

### Section 5: Fire Fighting Measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry Chemical Powder. Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, this will spread the fire

# SAFETY DATA SHEET

## BT 220 Base Oil

<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire
<b>Firefighting equipment/Instructions</b>	Move containers away from fire area if you can do so without risk
<b>General Fire Hazards</b>	No unusual fire or explosion hazards noted

### Section 6: Accidental Release Measures

<b>Personal precautions, protective equipment, and emergency procedures</b>	Keep unnecessary personnel away. For personal protection see Section 8 of the SDS. Avoid release to the environment
<b>Methods and materials for containment and cleaning up</b>	<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>
<b>Environmental Precautions</b>	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

<b>Precautions for Safe Handling</b>	Observe good industrial hygiene practices
<b>Conditions for Safe Storage, including any incompatibilities</b>	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

## SAFETY DATA SHEET

### BT 220 Base Oil

<b>Occupational Exposure Limits</b>	No exposure limits noted for ingredient(s)
<b>Biological Limit Values</b>	No biological exposure limits noted for the ingredient(s)
<b>Appropriate Engineering Controls</b>	Provide general ventilation

### Individual Protection Measures, such as Personal Protective Equipment

<b>Eye/Face Protection</b>	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
<b>Hand Protection</b>	For prolonged or repeated skin contact use suitable protection gloves
<b>Other</b>	Wear suitable protective clothing
<b>Respiratory Protection</b>	No personal respiratory protective equipment normally required
<b>Thermal Hazards</b>	Wear appropriate thermal protective clothing, when necessary
<b>General Hygiene Considerations</b>	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

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

# SAFETY DATA SHEET

## BT 220 Base Oil

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

### 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

# SAFETY DATA SHEET

## BT 220 Base Oil

### Section 11: Toxicological Information

#### Information on Likely Routes of Exposure:

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

#### Acute and Chronic Toxicity

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

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

#### Respiratory or Skin Sensitization

<b>Respiratory Sensitization</b>	No information available for the product
<b>Skin Sensitization</b>	No information available for the product

<b>Germ Cell Mutagenicity</b>	No information available for the product
<b>Tumorigenic Data</b>	No data available
<b>Reproductive Toxicity</b>	No information available for the product
<b>Specific Target Organ Toxicity – Single Exposure</b>	No information on significant adverse effects
<b>Specific Target Organ Toxicity – Repeated Exposure</b>	No information on significant adverse effects
<b>Aspiration Hazard</b>	No information available for the product
<b>Further Information</b>	The product has no known adverse effects on human health

# SAFETY DATA SHEET

## BT 220 Base Oil

### Section 12: Ecological Information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms
<b>Persistence and Degradability</b>	No information is available for the product
<b>Bioaccumulative Potential</b>	No information is available for the product
<b>Mobility in Soil</b>	No information is available for the product
<b>Other Adverse Effects</b>	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

<b>Disposal Instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site
<b>Hazardous Waste Code</b>	The waste code should be assigned in discussion between the user, the producer, and the waste disposal company
<b>Waste from Residues/Unused Products</b>	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)
<b>Contaminated Packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal

### Section 14: Transport Information

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

### Section 15: Regulatory Information

# SAFETY DATA SHEET

## BT 220 Base Oil

### US Federal Regulations

<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated
<b>US OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not listed
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed

### Superfund Amendments and Reauthorization Act of 1986

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

### Other Federal Regulations

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

### US State Regulations

<b>US Massachusetts RTK – Substance List</b>	Not regulated
<b>US New Jersey Worker and Community Right-to-Know Act</b>	Not listed
<b>US Pennsylvania Worker and Community Right-to-Know Law</b>	Not listed
<b>US Rhode Island RTK</b>	Not regulated
<b>US California Proposition 65</b>	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



# SAFETY DATA SHEET

## BT 220 Base Oil

<b>US California Proposition 65 –</b> <b>Carcinogens &amp; Reproductive Toxicity</b> <b>(CRT): Listed Substance</b>	Not listed
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### 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).

### Section 16: Other Information

<b>NFPA Ratings</b>	<b>Health: 1</b> <b>Fire: 1</b> <b>Instability: 0</b>  <b>Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe</b>
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# SAFETY DATA SHEET

## BT 220 Base Oil

### Other Information, including date of preparation or last revision

<b>Issue Date</b>	05-24-2022
<b>Revision Date</b>	-
<b>Version #</b>	01

<b>Key to Abbreviations</b>	<p><b>GHS</b> = Globally Harmonized System of Classification and Labelling of Chemicals <b>IATA</b> = International Air Transport Association <b>IBC</b> = Intermediate Bulk Container <b>IMDG</b> = International Maritime Dangerous Goods <b>MARPOL 73/78</b> = International Convention for the Prevention of Pollution from Ships, 1973 as modified by the protocol of 1978 (MARPOL = Marine Pollution)</p>
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<b>Disclaimer/Statement of Liability</b>	<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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