

# SAFETY DATA SHEET

## Used Motor Oil (UMO)

### Section 1: Product and Company Identification

<b>Product Identifier</b>	BT UMO	
<b>Other Means of Identification</b>	Waste Oil; Used Lubricating Oil	
<b>Recommended Use</b>	Oil mixture for Re-Refining	
<b>Recommended Restrictions</b>	None known	

### Manufacturer/Importer/Supplier/Distributor Information

<b>Company Name</b>	Blue Tide, LLC	
<b>Address</b>	5841 Legacy Circle, Suite 250D Plano, TX 75024	
<b>Telephone</b>	Technical Questions	(469) 956-3336
<b>Website</b>	<a href="http://www.bluetide.com">www.bluetide.com</a>	
<b>Emergency Phone Number</b>	Chemtrec	(800) 424-9300

### Section 2: Hazard Identification

#### Classification of the substance or mixture

<b>OSHA HCS 2012</b>	Skin Irritation – Category 3; Eye Irritation – Category 2B
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#### Label Elements

<b>Hazard Symbol</b>	None
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Causes mild skin irritation. Causes eye irritation.
<b>Precautionary Statement</b>	
<b>Prevention</b>	Observe good industrial hygiene practices
<b>Response</b>	Wash hands after handling
<b>Storage</b>	Store away from incompatible materials

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<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known

### Section 3: Composition/Information on Ingredients

<b><u>Chemical Name</u></b>	<b><u>CAS Number</u></b>	<b><u>Wt%</u></b>
Lubricating Oils, Used	64742-55-8	80-100
Light Hydrocarbons to include gasoline, diesel fuel, jet fuel, mineral spirits etc.	Not Available	0-5
Water/Solids	Not Available	0-20

Concentration expressed as ranges due to composition variability. Contains <1000 ppm Total Halogens.

### 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>	Treat symptomatically and supportively

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### Section 5: Fire Fighting Measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry Chemical Powder. Carbon dioxide (CO2)
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, this will spread the fire
<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

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### 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

<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
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<b>Physical State</b>	Liquid
<b>Form</b>	Liquid
<b>Color</b>	Dark Brown to Black
<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>	>260°C (500°F)
<b>Flash Point</b>	60-121°C (140-250°F) PMCC
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available

<b>Upper/Lower Flammability or Explosive Limits</b>	
<b>Flammability Limit – Lower (%)</b>	Not available
<b>Flammability Limit – Upper (%)</b>	Not available
<b>Explosive Limit – Lower (%)</b>	Not available
<b>Explosive Limit – Upper (%)</b>	Not available

<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Not available
<b>Relative Density @ 15°C</b>	0.87-0.89

<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity @ 40°C</b>	39.54 cSt

<b>Other Information</b>	
<b>Pour Point</b>	Not Available

### Section 10: Stability and Reactivity

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<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage, and transport
<b>Chemical Stability</b>	Material is stable under normal conditions
<b>Possibility of Hazardous Reactions</b>	No dangerous reaction known under conditions of normal use
<b>Conditions to Avoid</b>	Avoid temperatures exceeding the flash point
<b>Incompatible Materials</b>	Strong oxidizing agents, acids
<b>Hazardous Decomposition Products</b>	None under normal temperatures and pressures

### 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>	Prolonged or repeated exposure may cause eye irritation

#### Product Toxicity Data

<b>Acute Toxicity Estimate</b>	No information on significant adverse effects
<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>	OSHA HCS 2012 – Skin Irritation 3; Eye Irritation 2B

#### 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 information available for the product
<b>Reproductive Toxicity</b>	No information available for the product

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<b>Specific Target Organ Toxicity – Single Exposure</b>	No information available for the product
<b>Specific Target Organ Toxicity – Repeated Exposure</b>	No information available for the product
<b>Aspiration Hazard</b>	No information available for the product

### Section 12: Ecological Information

<b>Ecotoxicity</b>	No information is available for the product
<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

### 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>TDG</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>	No data available

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### Section 15: Regulatory Information

#### Safety, health and environmental regulations/legislation for the substance or mixture

The following listing of regulations may not be complete and should not be solely relied upon for all regulatory compliance responsibilities.

<b>Clean Air Act (CAA) – 1990 Hazardous Air Pollutants</b>	Not Listed
<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 304 – Hazardous Substances and their Reportable Quantities</b>	Not Listed
<b>SARA 313 -TRI Reporting</b>	Not Listed

#### United States – California

Not for sale in the State of California

### Section 16: Other Information

<b>NFPA Ratings</b>	<b>Health: 1</b> <b>Fire: 2</b> <b>Instability: 0</b>  <b>Hazard Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe</b>
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<b>Revision Date</b>	-
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<b>Key to Abbreviations</b>	<b>DOT</b> – Department of Transportation <b>TDG</b> – Transportation of Dangerous Goods <b>IATA</b> = International Air Transport Association <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)
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