

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Crude Oil Standard

AR2940, AR2941, AR2942, AR2943, AR2944, AR2041, AR2945, AR2946, AR2947, AR2948, AR2042, AR2043, AR2044, AR2045, AR2046, AR2047, AR2048, AR2049, AR2050, AR2051, AR2070, AR2071, AR2072, AR3032, AR3033, AR3034, DMR1771

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2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
8002-05-9	>97	Crude Oil	Not avail.	100

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Causes irritation.

SKIN: Causes irritation. Prolonged and repeated contact may cause various skin disorders such as dermatitis, folliculitis, oil acne or skin tumors.

INHALATION: May cause irritation to the mucous lining. Avoid breathing in vapors directly.

INGESTION: May cause burning of mouth, nausea and vomiting.

CHRONIC OVEREXPOSURE: Prolonged inhalation may adversely affect respiratory function.

ACUTE OVEREXPOSURE: Harmful if swallowed. May be harmful if inhaled. May be harmful if absorbed through the skin. Causes eye and skin irritation.

MEDICAL CONDITIONS AGGRAVATED: Not available.

CARCINOGENICITY: Not available.

4. FIRST AID MEASURES

EYES: Flush with large amounts of water. If irritation persists, get medical attention

INHALATION: Removed from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If respiratory irritation, dizziness, nausea or unconsciousness occurs, get medical attention.

SKIN: Wash skin with plenty of soap and water. Launder contaminated clothing before reuse.

INGESTION: Do not induce vomiting. Give 1 - 2 glasses of water. Call a physician.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Non-flammable

Flash Point: >1 F ASTM D-56

Flammable Limits: (% by Volume in Air): Lower: .6 Upper: 12.5

AUTO-IGNITION TEMPERATURE: >500 F

HAZARDOUS COMBUSTION PRODUCTS: Sulfur oxides and hydrogen sulfide, both of which are toxic, may be released upon combustion. Vapor accumulation could flash and/or explode if ignited. A complex mixture of airborne solid, liquid, particulates and gases will evolve when the material undergoes pyrolysis or combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion. Nitrogen oxides, sulfur oxides and metal oxides are also possible products.

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or CO₂. Do not use a direct stream of water. Product will float and can be re-ignited on surface of water.

FIREFIGHTING INSTRUCTIONS: Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode when fighting fires. Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter, especially if sprayed into containers of hot, burning liquid.

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Absorb utilizing materials such as fire retardant treated sawdust, diatomaceous earth, etc.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated handling; wash thoroughly after handling.

STORAGE: Keep container tightly closed. Store in a cool dry place away from sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Work in well ventilated areas and away from any ignition sources.

RESPIRATORY PROTECTION: Not required during normal use. NIOSH/MSHA respirator if exposure above the PEL or TLV.

SKIN AND HAND PROTECTION: Wear chemical-resistant gloves.

EYE AND FACE PROTECTION: Safety goggles.

OTHER PROTECTIVE EQUIPMENT: Wear suitable protective clothing as needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Viscous clear, yellow, brown or greenish black liquid.

BOILING POINT: 30-1000 F

FREEZE-MELT POINT: N/A

VAPOR PRESSURE: <1823

VAPOR DENSITY: >1

SOLUBILITY IN WATER: <15

SPECIFIC GRAVITY: 0.7 - 1.1

pH: N/A

ODOR: Hydrocarbon/petroleum odor

Auto Ignition Temperature: >500 F

EVAPORATION RATE: >1 (N-Butyl Acetate = 1)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Heat, sparks, flame, contact with strong oxidizing agents, and build up of static electricity.

HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur.

HAZARDOUS POLYMERIZATION: None.

11. TOXICOLOGICAL INFORMATION

Not established.

12. ECOLOGICAL INFORMATION

None available.

13. DISPOSAL CONSIDERATION

Dispose of in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

USA DOT: UN 1267 Flammable Liquid, Petroleum Crude Oil, Class 3, Pkg Group 2

15. OTHER INFORMATION

NFPA Classification (0 -4; 4 = Extreme)

Health: 2 Fire: 3 Reactivity: 0

SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

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