



Material Safety Data Sheet

Preparation Date: 06/01/01

Revision Date: 04/11/02

SECTION 1 – PRODUCT & COMPANY INFORMATION

PRODUCT NAME: ICE 32
PRODUCT NUMBER: MJ32
DESCRIPTION: oil additive
USE: performance improver
APPEARANCE: slight odor, golden yellow color

MANUFACTURER: MJ Research and Development L.P.
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The Woodlands, Texas 77380

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SECTION 2 – PRODUCT COMPOSITION INFORMATION

*MODIFIED POLYALKYLENE GLYCOL
OXYGENATED HYDROCARBON*

COMPONENT	CHEMICAL NAME	%BY WEIGHT
Additives	*	67

*TRADE SECRET – PROPRIETARY FORMULA. Specific chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200

SECTION 3 – HAZARDS IDENTIFICATION

EXPOSURE LIMITS: non listed

POTENTIAL HEALTH EFFECTS: May be harmful by inhalation, ingestion, or skin absorption. May cause eye and/or skin irritation. Exposure can cause nausea, headache, and vomiting.

CANCER INFORMATION: Not listed as a carcinogen.

SECTION 4 – EMERGENCY & FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with large amounts of water and continue flushing until irritation subsides.

SKIN CONTACT: Remove contaminated clothing. Wash exposed area with soap and water. Launder clothing before reuse.

INGESTION: Wash out mouth with water provided person is conscious. Seek medical attention.

SECTION 5 – PHYSICAL PROPERTIES

BOILING POINT: IBP >500°F
MELTING POINT/POUR POINT: < 0°F
APPEARANCE: golden yellow
ODOR: slight
VAPOR PRESSURE: no data available
SOLUBILITY: negligible in water, soluble in hydrocarbons and alcohols

THERMAL DECOMPOSITION: > 350°F
SPECIFIC GRAVITY: 1.05
PHYSICAL STATE: liquid
MOLECULAR WEIGHT TEXT: mixture

SECTION 6 – FIRE & EXPLOSION INFORMATION

FLASH POINT: 375°F ASTM D 92 COC
EXTINGUISHING MEDIA: water spray, dry chemical, carbon dioxide, foam

HAZARDOUS DECOMPOSITION PRODUCTS: During a fire, oxides of nitrogen and phosphorus may be produced

SPECIAL FIRE FIGHTING PROCEDURES: Wear protective clothing to prevent contact with skin and eyes.



SECTION 9 – ADDITIONAL INFORMATION

T SHIPPING CLASS: ORM-D

EPA TSCA: All ingredients listed on the TSCA Inventory

The information contained herein is believed to be accurate and is offered in good faith. The above information is, in part, based on material safety data sheets supplied by the vendors of the raw materials used in this product. Because product use is beyond our control, no warranty is given, expressed, or implied. M/J Research and Development cannot assume any liability for the use of information contained herein or from damage resulting from handling or contact with the above product. To determine applicability or effect of any law or regulation with respect to this product, users should consult a legal advisor or appropriate governmental agency.

SECTION 7 – HANDLING, STORAGE & DISPOSAL

HANDLING: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, clothing. Avoid ingestion and inhalation. Use in a well ventilated area. Wear resistant gloves; safety glasses or splash goggles.

STORAGE: Store in a cool, dry location. Keep container tightly closed. Do not heat above 120°F. Do not store near heat, flame, or strong oxidants. Maintain adequate ventilation.

SPILL & LEAK PROCEDURES: Do not permit product to enter streams, sewers, or other waterways. Eliminate all ignition sources. Absorb with vermiculite or other absorbent. Transfer absorbent to closed containers for disposal.

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

SECTION 8 – REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Conditions to avoid – none

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY MATERIALS TO AVOID: May react with oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce the following products: Oxides of carbon, nitrogen and phosphorus.