

Belmont Equipment Company

32055 Edward Ave., Madison Heights, MI 48071-1495 (248) 588-7011

Eastern/Central (800) 356-4811 Mountain/Pacific (800) 394-4993

MSDS#: 8000

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MATERIAL SAFETY DATA SHEET**Product Name:** EDM 244 (Nuclear Approved)**Date:** Jan. 2006**Section 1: Product Information**

Chemical Name: Dielectric Fluid	Emergency Number: 613-996-6666
Chemical Family: Paraffinic Hydrocarbon	Material Use: Dielectric & Transformer Fluid
T.D.G. Classification: Not Regulated	
NFPA Classification: Health: Slight—Fire: Slight—Reactivity: Least	

Section 2: Hazardous Ingredients

Ingredients	Approx. Conc. %	C.A.S.#	TLV*	PEL**
No Hazardous Ingredients	-----	-----	-----	-----

Section 3: Physical Data

Boiling Point °C (°F): 253-272 (489-523)	pH: n/a
Evaporation Rate: n-butyl acetate=1:<0.1	Solubility in Water: Not Soluble
Appearance: Clear & Colorless Liquid	Odor: Odorless
% Volatile by Volume: N/A	Specific Gravity: 0.770
Vapor Pressure: <0.1 mm Hg @ 20°C	Vapor Density (AIR=1): >1.0
Freezing Point °C (°F): 7.2 (45)	

Section 4: Fire & Explosion Data

Flash Point °C (°F) Method: 115 (239) COC Auto Ignition Temperature: >200 (392)	General Hazards: Low Hazard: Liquids may burn upon heating to temperatures at or above the flash point
Hazardous Combustion Products: Smoke, carbon monoxide, carbon dioxide	Fire Fighting Procedures: Do not use forced stream as this could cause fire to spread. Self-contained breathing apparatus should be worn by firefighters.
Extinguishing Media: Dry chemical, foam, CO2 & water mist or fog may be used to cool below flash point.	Upper Explosion Limit: 8.7 Lower Explosion Limit: 1.3

Section 5: Reactivity Data

Stability: This product is stable. Hazardous polymerization will not occur	
Incompatible Materials & Conditions to Avoid: Strong oxidizing agents	Hazardous Decomposition: Fumes, smoke, carbon monoxide in case of incomplete combustion.

N/A=Not Available

n/a=Not Applicable

Section 6: Health Hazard Data

Inhalation: Negligible hazard at normal temperatures (up to 38°C/100°F). Elevated temperatures or mechanical action may form vapors, mists or fumes which may be irritating to the eyes, nose, throat and lungs. Avoid breathing vapors or mists.

Eye Contact: Slightly irritation, but will not injure eye tissue.

Skin Contact: Low toxicity. Frequent or prolonged contact may irritate the skin

Ingestion: Low toxicity

Occupational Exposure Limits: For oil mists: 5mg/m³ (ACGIH)

Acute Toxicity Data: Avoid breathing mist & fumes. Proper ventilation should be utilized.

Section 7: Preventative and Corrective Measures

Gloves & Footwear: Protective gloves recommended

Respiratory (specify): None required

Eye: Safety glasses

Clothing: Not normally required

Engineering Controls (e.g. Ventilation, enclosed process specify): Local exhaust is recommended to control emissions at the source. Mechanical ventilation is recommended for confined areas.

Leak and Spill Procedures: Dike and contain spill immediately. Do not allow spill to enter sewer or watercourses. Use a suitable, non-combustible absorbent (e.g. sand, earth, Floor Dry) to clean up spill. Shovel absorbent into a suitable disposal container. Ventilate spill area.

Waste Disposal: Ensure disposal is in compliance with government requirements and local regulation.

Handling Procedures and Equipment: Use proper grounding procedures as material can accumulate static charges. Do not cut, weld, heat or pressurize empty containers.

Storage Requirement: Keep containers closed when not in use. Store in a cool, ventilated area away from incompatible materials. Do not store near open flames or sources of ignition.

Section 8: First Aid Measures

Skin: Immediately wash with soap and water. Remove contaminated clothing and have laundered before using again.

Eye: Flush eyes with plenty of water until irritation subsides. If irritation persists, consult a physician at once.

Inhalation: In emergency, remove victim to fresh air at once. Administer artificial respiration at once if breathing stops. Keep at rest and consult a physician at once.

Ingestion: If Swallowed, **DO NOT INDUCE VOMITING.** Keep at rest and consult a physician at once.

Section 9: Preparation Data of M.S.D.S.

Date: Jan. 2006

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CALIFORNIA PROPOSITION 65

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