



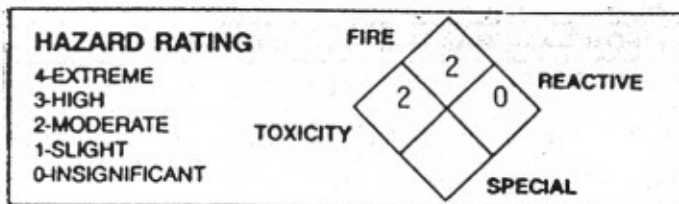
Material Safety Data Sheet

SECTION I — IDENTITY AND MANUFACTURER'S INFORMATION

Manufacturer's Name James Varley & Sons, Inc. **Product Name** Emulsyde Stainless Steel Cleaner RTU
Address 1200 Switzer Avenue **Date Prepared** February 12, 1988
 St. Louis, Missouri 63147
Emergency Telephone No. And Other Information Calls 314-383-4372 **Prepared by**

SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #'s	ACGIH TLV	Listed as a Carcinogen in NTP	% (Optional)
Mineral Seal Oil	64742-96-7	5mg/cum	no	< 30%



SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	170° F	Specific Gravity (H ₂ O = 1)	0.942
Vapor Pressure (mm Hg.)	N/A	Percent Volatile By Volume (%)	< 75%
Vapor Density (AIR = 1)	N/A	Evaporation Rate (WATER = 1)	> 1
Solubility in Water	Emulsifies	Appearance and Odor	Banana, orange opaque liquid

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) 148° F closed cup Flammable Limits N/A LEL N/A UEL N/A

Extinguishing Media Carbon dioxide, water spray, foam or dry chemicals

Special Fire Fighting Procedures Firefighting personnel wear self contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards Use water spray to keep fire exposed containers cool

SECTION V — PHYSICAL HAZARDS

Stability Unstable Conditions to Avoid N/A
Stable

Incompatibility (Materials to Avoid) N/A

Hazardous Decomposition Products Or Byproducts N/A

Hazardous Polymerization May Occur Conditions To Avoid N/A
Will Not Occur

SECTION VI — HEALTH HAZARD DATA

Route(s) of Entry: EYES: yes Inhalation? yes Skin? no Ingestion? no

Signs and Symptoms of Exposure Can severely irritate eyes. Repeated contact with skin can irritate. Excessive inhalation of vapors can cause nasal and respiratory irritation. Swallowing can cause gastrointestinal irritation.

Medical Conditions Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures If swallowed, drink large amounts of water. Get medical attention. If contact with eyes, flush with water for at least 15 minutes. Get medical attention. If contact with skin, wash with soap and water.

SECTION VII — PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken In Case Material Is Released Or Spilled Eliminate all ignition sources. Dike area of spill to prevent spreading. Liquid can be taken up on sand, clay, earth, floor absorbent or other absorbent material and shoveled into containers.

Waste Disposal Method Dispose of in accordance with government regulation.

Precautions To Be Taken In Handling And Storing Keep away from open flame, heat and sparks.

Other Precautions KEEP OUT OF REACH OF CHILDREN.

SECTION VIII — CONTROL MEASURES

Respiratory Protection (Specify Type) Ventilate to keep air below TLV
Ventilation Local Exhaust yes Mechanical (General) N/A Special N/A Other N/A
Protective Gloves N/A Eye Protection Chemical splash goggles
Other Protective Clothing Or Equipment N/A
Work/Hygienic Practices Ventilate to keep air below TLV.

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