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MATERIAL SAFETY DATA SHEET

MANUFACTURER: K & K Chemical Co.
TELEPHONE NO.: (800) 327-0646
ADDRESS: 1303 Industrial Drive, Royse City, TX 75189

PRODUCT: RED FLOAT™ **MSDS Prepared By:** J. Austin Maglothlin, Ph.D.
PART NUMBER(S): K-690 **Revision Date:** April 15, 1998

SECTION I - GENERAL

Chemical Name & Synonym: Not Applicable
Trade Name & Synonyms: RED FLOAT™
Chemical Family: Petroleum hydrocarbon based mixture
Formula: Trade secret

SECTION II - HAZARDOUS INGREDIENTS

Petroleum hydrocarbons	CAS No.	8042-47-5
Sodium petroleum sulfonate	CAS No.	68608-26-4
Poly(ethylene glycol) 4-nonylphenyl ether	CAS No.	127087-87-0

SECTION III - PHYSICAL AND CHEMICAL DATA

Boiling Point (°C): 162
Vapor Pressure (MM Hg @ 38°C): 5
Vapor Density (Air = 1): 5.0
Specific Gravity (H₂O = 1): 0.786
% Volatile by Volume: Not determined
Evaporation Rate (BUAC = 1): 0.07
Solubility in Water: Insoluble
Appearance and Odor: Dark red fluid with petroleum odor
Others:

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammable Limits (%):
- LEL: 1
- UEL: 6
Flash Point (Method Used): 41.6°C (TCC)
Extinguishing Media: Use water spray or fog, foam or CO₂.
Special Fire Fighting Procedures: Do not enter confined area without proper protective equipment including NIOSH approved self-contained breathing apparatus. Cool fire exposed container and surroundings with water. Product will float on water.
Unusual Fire & Explosion Hazards: Will support combustion when heated above 45°C

SECTION V - HEALTH HAZARD DATA

Route of Entry: Inhalation, skin contact, eye contact, ingestion
Carcinogenic Assessment: Not listed
Threshold Limit Value: 100 ppm
Effects of Overexposure: Inhalation: Slight irritation to mucous membranes
Skin contact: Defatting and drying
Eye contact: Slight eye irritation, increasing with prolonged exposure
Ingestion: May cause vomiting
Emergency & First Aid Procedures: Inhalation: Remove to fresh air. Provide oxygen if breathing is difficult.
Skin contact: Wash with soap and water.
Eye contact: Flush with water for 15 minutes. If irritation persists, get medical attention.
Ingestion: DO NOT INDUCE VOMITING. Drink 3 to 4 glasses of water. Get immediate medical attention.

SECTION VI - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): Strong oxidizers
Hazardous Decomposition Products: None identified
Hazardous Polymerization: Will not occur

SECTION VII - SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled: Eliminate possible sources of ignition. Dike and contain. Remove by suction, or absorb on clay or vermiculite. Place in labeled drums for disposal.
Waste Disposal Method: Dispose of in accordance with all local, state, and federal regulations. Rinse container well before discarding in an authorized local, state or federal landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection: NIOSH-approved respirator or air-purifying respirator for organic vapor.
Ventilation: Explosion-proof for confined spaces to control vapor concentrations.
Protective Gloves: Latex or vinyl
Eye Protection: Safety glasses or goggles
Other Protective Equipment: Splash aprons and/or rubber boots may be desired

SECTION IX - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Store in original containers for up to 1 year. Keep closed when not in use. Protect from extreme heat and cold.
Other Precautions: Keep out of reach of children. Avoid sparks or open flames. Read and follow label directions.