
MEDICAL CONDITIONS AGGRAVATED: Not expected.

ROUTES OF ENTRY: Not expected.

TARGET ORGAN STATEMENT: Not expected.

SENSITIZATION: Not expected.

4. FIRST AID MEASURES

EYES: Immediately flush with large quantities of water for at least 15 minutes and contact a physician.

SKIN: Wash with soap and warm water.

INGESTION: If gastrointestinal discomfort is encountered, contact a physician.

INHALATION: Remove to fresh air.

NOTES TO PHYSICIAN: None.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: > 150°C COC (Cleveland Open Cup)

FLAMMABLE CLASS: Not applicable.

EXTINGUISHING MEDIA: Dry chemical or waterspray or water fog, carbon dioxide, foam or sand/earth.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, Carbon dioxide.

EXPLOSION HAZARDS: None.

FIRE FIGHTING PROCEDURES: Treat as fat or oil fire. Do not use heavy stream of water. Fatty material will float and splatter surrounding area.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

AUTOIGNITION TEMPERATURE: Not determined.

FLAMMABLE LIMIT: Not determined.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, Carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Stop spill at source, dike area of spill to prevent spreading. Absorb liquid on solid absorbent material and place in a disposal container. Wash area with hot soapy water.

LARGE SPILL: Stop spill at source. Dike area of spill to prevent spreading. Pump liquid to salvage tank. Absorb liquid on solid absorbent material and shovel into containers. Prevent run-off to sewers, streams or other bodies of water. Wash floors with hot soapy water and rinse with hot water to prevent slipping.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LAND SPILL: Soak up with absorbent. Shovel up and place in a waste container.

AIR SPILL: Not applicable.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use with adequate ventilation. Avoid mist formation. Avoid contact with eyes.

STORAGE: Store in dry area in closed, labeled containers.

STORAGE TEMPERATURE: (68°F) minimum to (77°F) maximum

SHELF LIFE: Retest and requalify one year from date of manufacture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local ventilation if necessary to control dust or fumes from hot material.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles are recommended.

SKIN: Neoprene-type for hot oil.

RESPIRATORY: In the presence of mists or dusts, the use of a NIOSH/OSHA approved mask and/or respirator is recommended.

PROTECTIVE CLOTHING: Rubber boots and apron should be worn for hot material. Work uniform or tyvek suit should be adequate protection when working with ambient materials.

WORK HYGIENIC PRACTICES: Wash hands with soap and water after handling. Remove and wash contaminated clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.

ODOR: Caramel odor.

APPEARANCE: Yellow to amber liquid.

pH: Not applicable.

PERCENT VOLATILE: Not determined.

VAPOR PRESSURE: < 1 mmHg at 25°C

VAPOR DENSITY: > 1 (Air = 1)

BOILING POINT: Not determined.

FREEZING POINT: Not determined.

MELTING POINT: Not determined.

POUR POINT: Not determined.

SOLUBILITY IN WATER: Emulsifies.

EVAPORATION RATE: Nil.

SPECIFIC GRAVITY: Not determined.

VISCOSITY: Not determined.

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Keep away from temperatures near the flash point. Store away from heat or direct sunlight.

STABILITY: Stable under normal conditions.

POLYMERIZATION: Product will not undergo polymerization.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and Carbon dioxide.

INCOMPATIBLE MATERIALS: Oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

DERMAL LD₅₀: No data available.

ORAL LD₅₀: No data available.

INHALATION LC₅₀: No data available.

EYE EFFECTS: Not expected to irritate eyes.

SKIN EFFECTS: Not expected to irritate the skin.

SENSITIZATION: Not expected.

TARGET ORGANS: None.

CARCINOGENICITY:

IARC: Not listed.

NTP: Not listed.

OSHA: Not listed.

MUTAGENICITY: No data available.

REPRODUCTIVE EFFECTS: No data available.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Prevent liquid from entering bodies of water.

ECOTOXICOLOGICAL INFORMATION: No data available.

CHEMICAL FATE INFORMATION: No data available.

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL: Place waste in waste container and dispose in accordance with federal, state and local regulations. Obtain the consent of the local publically-owned treatment works before discharging waste to a publically-owned treatment facility.

EMPTY CONTAINER: Remove product residue and dispose of container at an approved waste handling facility.

RCRA/EPA WASTE INFORMATION: This material as a waste does not meet the federal definition of hazardous waste. State and local waste regulations should be reviewed as their rules regarding hazardous waste may be more stringent than the federal rules.

RCRA HAZARD CLASS: Non-hazardous.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

PRIMARY HAZARD CLASS/DIVISION: Not regulated.

MARINE POLLUTANT #1: No data available.

CANADA TRANSPORT OF DANGEROUS GOODS

PROPER SHIPPING NAME: Not regulated.

PRIMARY HAZARD CLASS/DIVISION: Not regulated.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Not regulated.

PRIMARY HAZARD CLASS/DIVISION: Not regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: NO **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** NO **CHRONIC:** NO

313 REPORTABLE INGREDIENTS: None.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Not applicable.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Not applicable.

EPA

EPA RQ INGREDIENT: None.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: This product or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

RCRA STATUS: Not regulated as hazardous waste.

CLEAN WATER ACT: Not applicable.

NATIONAL RESPONSE CENTER: Not applicable.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Not applicable.

SDWA (SAFE DRINKING WATER ACT): Not applicable.

DEA (DRUG ENFORCEMENT PRECURSOR & ESSENTIAL CHEMICALS) LISTED SUBSTANCE: Not applicable.

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Not applicable.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29 CFR 1910.119---PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: Not applicable.

CANADA

DOMESTIC SUBSTANCE LIST (INVENTORY): Not found on Domestic Substances List or the Non-domestic Substances List.

STATE REGULATIONS None known.

CALIFORNIA PROPOSITION 65: Not applicable.

REGULATIONS

STATE REGULATIONS: None known.

16. OTHER INFORMATION

APPROVED BY: Safety & Environmental Department

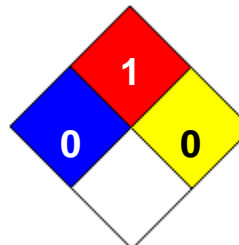
PREPARED BY: Safety & Environmental Department

REVISION SUMMARY This MSDS replaces the March 9, 2001 MSDS.

HMIS RATING

HEALTH:		0
FLAMMABILITY:		1
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		

NFPA CODES



HMIS RATINGS NOTES: Refer to MSDS for appropriate Personal Protective Equipment (PPE).

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