

Material Safety Data Sheet – Detergent # 6

MSDS. 068

Manufacturer: Burns Chemical Systems, Inc.
3003 Venture Court
Export, PA 15632

Date Prepared: 06/08/2006
Date Revised: 1/06/2006
Emergency Telephone: (800) 535-5053

LCD Reorder # 454

Composition, Information on Ingredients

Chemical Name	Weight	Exposure Limits	CAS Number
Sodium Hydroxide	< 25%	OSHA PEL 2 mg/m ³ (ceiling) ACGIH TLV 2 mg/m ³ (ceiling)	1310-73-2
Organic Chelating Agent	< 15%	None	(Trade Secret)

Hazards Identification

Emergency Overview: Harmful if swallowed. Do not breathe mist. Can cause respiratory tract, skin and eye burns. Harmful to mucous membranes. Keep container tightly closed. Avoid contact with strong acids.

Potential Health Effects:

Eye Contact: May cause burns and potentially blindness.

Skin Contact: May cause burns, prolonged contact destroys tissues, mists may cause irritant dermatitis.

Inhalation: May cause mild to severe irritation of upper respiratory tract, coughing, breathing difficulty and lung damage.

Ingestion: May cause burns. Additional effects may include paleness, diarrhea, stomach pain, and vomiting.

First Aid Measures

If overexposure occurs, have MSDS and label information available and contact a poison control center or seek medical attention immediately.

Eye Contact: Flush eyes immediately with large quantities of water, occasionally lifting eyelids, until no evidence of chemical remains (approximately 15 to 20 minutes).

Skin Contact: Remove contaminated clothing and shoes immediately. Wash affected area with large amounts of water. In case of chemical burns, get medical attention immediately.

Inhalation: Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration.

Ingestion: Drink large quantities of water or acidic beverages (tomato or orange juice, carbonated soft drinks). Do not induce vomiting.

Fire Fighting Measures

Negligible fire hazard when exposed to heat or flames.

Flash Point: None

Lower Flammable Limit (LFL): N/A

Method Used: N/A

Auto-Ignition Temperature: N/A

Upper Flammable Limit (UFL): N/A

Extinguishing Media: N/A

Unusual Fire and Explosion Hazards: Can generate explosive hydrogen gas when in contact with metals.

Fire-Fighting Equipment and Procedures: None

Accidental Release Measures

Immediately remove and properly dispose of any spilled material. Carefully dilute with water, neutralize with acid if necessary. Discharge slowly to sewer, if permitted by local, state and federal regulations.

Handling and Storage

Never touch eyes or face with hands or gloves that may be contaminated with this product. Store away from food stuffs and incompatible materials. Store in a cool, dry, well-ventilated area. Separate from acids and metals.

Exposure Controls, Personal Protection

Provide local exhaust ventilation and/or general dilution ventilation to meet published exposure limits. Avoid mist, wear suitable NIOSH/MSHA approved respirator equipped with dust/mist filter cartridges when exposure is expected to exceed the permissible exposure limit. Wear chemical splash goggles and protective gloves (nitrile, neoprene or PVC) to prevent eye or skin contact.

Physical and Chemical Properties

Appearance and Odor: Red Liquid

Physical State: Liquid

pH: 12.5 to 13.5

Vapor Pressure: N/A

Reactivity in Water: None

Boiling Point: ~212 F

Specific Gravity: 1.15

Vapor Density: N/A

Solubility in Water: Complete

Freezing/Melting Point: N/A

Molecular Weight: Not Determined

Evaporation Rate: N/A

Stability and Reactivity

Stability (Conditions to Avoid): Stable under normal conditions of temperature and pressure.

Incompatibility (Specific Materials to Avoid): Strong acids, aluminum, magnesium, tin, zinc.

Hazardous Polymerization: Will not occur under normal conditions.

Hazardous Decomposition Products: Hydrogen gas (explosive) may be released when in contact with metals. Hazardous carbon monoxide gas may form when in contact with food sugars.

Toxicological Information

Eye Contact: Can cause severe burns, permanent damage and/or loss of vision.

Skin Contact: Prolonged skin contact can destroy tissue.

Inhalation: Can cause damage to the upper respiratory tract and lung tissue depending on the severity of the exposure. Effects can range from mild irritation, severe pneumonitis and destruction of lung tissue.

Ingestion: Severe damage to mucous membranes and other tissues and may be fatal.

IDLH: 250 mg/m³ of sodium hydroxide is immediately dangerous to life and health

Carcinogen Status: The organic chelating agent is a National Toxicology Program (NTP) and IARC listed carcinogen. Based on animal data; however, available epidemiological studies are conflicting or insufficient to confirm an increased risk of cancer in exposed humans.

Ecological Information

No Data Available

Disposal Considerations

Ensure disposal in compliance with applicable federal, state, local and provincial regulations. Contact the manufacturer for additional information.

Transport Information

U.S. Department of Transportation (49 CFR Parts 171 to 180)

Hazard Classification: Hazardous Class 8 Corrosive Material

Proper Shipping Name: Corrosive Liquid N.O.S. (contains Sodium Hydroxide UN 1760)

Labeling Requirement: Corrosive

Packing Group: II

Regulatory Information

OSHA 29 CFR 1910.1200: This product contains hazardous components.

Toxic Substance Control Act: Components of the product are on the TSCA inventory

CERCLA 40 CFR 302: Hazardous Substance with Reportable Quantity of this product is 410 gallons or 4000 lbs.

SARA title III: Hazardous Categories – Acute and Reactivity

Other Information

NFPA Hazard Ratings (Scale 0-4):

Health 3

Fire 0

Reactivity 1

CERCLA Ratings (Scale 0-3)

Health 3

Fire 0

Reactivity 1

Persistence 0