

JELMAR
MATERIAL SAFETY DATA SHEET
CLR BATH & KITCHEN CLEANER
ENHANCED FORMULA - DfE

INHALATION: Not a significant route of exposure. Remove to fresh air. If breathing is difficult, GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: DO NOT induce vomiting. If fully conscious, drink 16 ounces of water. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER give an unconscious person anything to ingest.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABILITY: Not flammable

FLASH POINT: None (100° C): Method: TOC

EXPLOSIVE LIMITS IN AIR: Not available

EXTINGUISHING MEDIA: Not flammable. Use appropriate media for area. Water spray, dry chemical, alcohol foam or carbon dioxide.

FIRE FIGHTING METHODS: Evacuate area of personnel. Wear protective NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers. Run-off of large quantities of product from fire control may cause pollution. Contact appropriate agencies.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide. Thermal decomposition can lead to irritating gases and vapors.

FIRE AND EXPLOSION HAZARDS: None known.

SECTION 6 – ACCIDENTAL RELEASES MEASURES

Steps to be taken in Case Material is Released or Spilled: Avoid contact with skin and eyes

Small Spill: No special clean-up procedure is necessary for small (less than 1 gallon) spills. Flush spill area with water. Wear rubber gloves.

Large Spill: Use personal protection recommended in Section 8. Isolate area, and deny entry to unnecessary and unprotected personnel. Dam spill, and absorb with earth, sand or similar material. Place in non-leaking containers. Dispose of collected material according to local, state, and federal regulations. Flush residue with large amount of water. Avoid direct discharge to sewers and surface waters.

SECTION 7- HANDLING AND STORAGE

STORAGE: Store in cool, well-ventilated area, away from heat. Keep containers tightly closed. Avoid contact with combustible materials, wood, and organic materials. Store in original container in a secure area away from children and pets.

HANDLING: Avoid contact with eyes, skin or clothing. May be harmful or fatal if swallowed. Use with adequate ventilation. Avoid breathing vapors or mist. Do not eat, drink, or smoke in work area. Wash hands thoroughly after use. Consumer containers should be rinsed and recycled.

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY.

DO NOT MIX WITH BLEACH, OR ANY OTHER PRODUCTS AS TOXIC FUMES MAY RESULT. KEEP OUT OF REACH OF CHILDREN.

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SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION REQUIREMENT: Avoid prolonged breathing mists or dusts of this product. Use with adequate ventilation. Do not use in closed or confined spaces.

RESPIRATORY PROTECTION: Not required during normal household usage. Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of product.

EYE PROTECTION: Not required during normal household usage. Emergency responders should wear full eye and face protection.

SKIN PROTECTION: Rubber gloves with protective cuff. Emergency responders should wear impermeable gloves.

OTHER PROTECTION: Emergency responders should wear chemical type (impermeable) protective clothing and footwear where direct contact with chemicals in this product is possible.

WORK/HYGIENIC PRACTICES: Wash thoroughly with soap and water after use or handling.

EXPOSURE GUIDELINES:

<u>COMPONENT</u>	<u>OSHA</u>		<u>ACGIH</u>	
	<u>PEL</u>	<u>STEL/C</u>	<u>TWA</u>	<u>STEL/C</u>
Water:	N.E.	N.E.	N.E.	N.E.
Lactic Acid:	N.E.	N.E.	N.E.	N.E.
Lauramine Oxide	N.E.	N.E.	N.E.	N.E.
Propylene Glycol n-Butyl Ether:	N.E.	N.E.	N.E.	N.E.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling point:	100° C	Specific Gravity:	1.000 – 1.020
Vapor Pressure:	N.D.	Percent Volatiles:	~90.82% (Calculated)
Freezing Point:	N.D.	Evaporation Rate:	N.D. (nBuAc=1)
Melting Point:	N.D.	VOC (Wt%):	<1.5 (Calculated)
Vapor Density (mm Hg):	N.D.	VOC (LBS/GAL):	<0.13 (Calculated)
pH: @20°C	2.35-2.55	Solubility in Water:	100%

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

CONDITIONS TO AVOID: Avoid elevated temperatures.

INCOMPATIBLE MATERIALS: Strong oxidizing agents, metals, acids, and bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can lead to release of irritating gases and vapors and carbon oxides.

POSSIBILITY OF HAZARDOUS REACTIONS: No data.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE ORAL EFFECTS: A dose of 5 ml/kg was given to 5 male and 5 female rats and no mortality occurred in 14 days. The acute oral LD₅₀ was found to be > 5 ml/kg. The product is not toxic by oral ingestion in accordance with FHSA / CPSC Guidelines.

SKIN: Not a primary dermal irritant in accordance with FHSA / CPSC Guidelines.

INHALATION: Not Toxic by inhalation in accordance with FHSA / CPSC Guidelines.

EYE: Irritant in accordance with FHSA / CPSC Guidelines.

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SECTION 12- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available.

CHEMICAL FATE INFORMATION: 28-day biodegradation. Product is readily biodegradable.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in a permitted hazardous waste management facility following all local, state, and federal regulations. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. Follow label warnings, since containers may retain some residue of the product. Processing, use or contamination of this product may change the waste management options. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. State and local disposal regulations may differ from federal disposal regulations.

SECTION 14 - TRANSPORTATION INFORMATION

DOT (Department of Transportation Proper Shipping Name): Not regulated by DOT.

Identification Number: N.A.

Packaging Group: N.A.

UN Number: N.A.

TDG Classification: Not Regulated

IMDG Classification: Not Regulated

IATA Classification: Passenger – Not Regulated

WHIMS (Canada): This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by CPR.

SECTION 15 – REGULATORY INFORMATION

FEDERAL REGULATIONS:

TSCA INVENTORY STATUS: All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

SARA TITLE III SECTION 311/312 CATEGORY:

IMMEDIATE (ACUTE) HEALTH HAZARD: YES
DELAYED (CHRONIC) HEALTH HAZARD: YES
FIRE HAZARD: NO
SUDDEN RELEASE OF PRESSURE: NO
REACTIVE HAZARD: NO

SARA SECTIONS 302/304/313/HAP:

COMPONENT	RQ (LBS) (1*)	RQ (LBS) (2*)	TPQ (LBS) (3*)	SEC 313 (4*)	HAP (5*)
Water:	N.A.	N.A.	N.A.	NO	NO
Lactic Acid:	N.A.	N.A.	N.A.	NO	NO
Lauramine Oxide:	N.A.	N.A.	N.A.	NO	NO
Propylene Glycol n-Butyl Ether:	N.A.	N.A.	N.A.	NO	NO

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REGULATORY AGENCIES

*1: CERCLA Reportable Quantity

*2: SARA Reportable Quantity

*3: SARA EHS Threshold Planning Quantity

*4: SARA 313 Toxic Chemical / Category

*5: U. S. EPA Hazardous Air Pollutant

INTERNATIONAL CHEMICAL INVENTORY STATUS:

EUROPEAN UNION (EINECS)	YES
JAPAN (METI)	YES
AUSTRALIA (ACIS)	YES
KOREA (KECL)	YES
CANADA (DSL)	YES
CANADA (NDSL)	NO
PHILIPPINES	YES

STATES RIGHT TO KNOW: California, New Jersey, Pennsylvania, Minnesota, Massachusetts, and Wisconsin. None.

The following statement is made in order to comply with the California State Drinking Water Act. California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer and/or to cause birth defects and other reproductive harm.

SECTION 16 – OTHER INFORMATION

NFPA Rating System: Health-1 / Flammability-0 / Reactivity-0 / Special Hazard - None

Precautions to be taken in Handling and Storing: Avoid exposure to excess heat, and prevent from freezing.

Other Precautions: None required.

MSDS ABBREVIATIONS:

- N. A.: Not Applicable
- N. D.: Not Determined
- N.E.: Not Established
- C: Ceiling Limit
- HAP: Hazardous Air Pollutant
- VOC: Volatile Organic Compound

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