

**CLR METAL CLEAR
MATERIAL SAFETY DATA SHEET**

This Material Safety Data Sheet is being provided to your company for the purpose of providing current health and safety information to your management and employees who work or may be exposed to this product. Please read the data provided and then provide it to those people at your company who have the responsibility to insure compliance with both FEDERAL and STATE Right to Know regulations, and to those employees that request information on this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and fire protection as necessary and/or appropriate to use and understand the data contained in this MSDS.

Federal Regulations: Parts 29 and 42 Code of Federal Regulations
State of Illinois: Public Act 83-240

SECTION 1 - PRODUCT IDENTIFICATION

Manufacturer: Jelmar
Address: 5550 W. Touhy Ave.
Skokie, IL 60077
Emergency Phone Number: (847) 675-8400
Emergency Contact: Chemtrec (800) 424-9300

Chemical Name: Aqueous Mixture
Chemical Family: N/A
Formula: N/A
Common Name: Metal Cleaner
Hazard Classification: Non-Hazardous
DOT Classification: Not Regulated
NFPA Rating System: Health-1/Flammability-0/Reactivity-0

SECTION 2 – COMPOSITION INFORMATION

Component	Cas#	PEL/TLV	Percentage
Deionized Water	7732-18-5	NE	49 – 52%
Calcined Kaolin Clay	66402-68-4	10.0mg/m3 Total Dust	24 – 26%
Sodium Sillicate	1344-09-8	NE	1 – 2
Disodium Cocoamphodipropionate	68604-71-7	NE	1 – 2
Sodium Citrate	68-04-2	NE	1 – 2
Polyoxyethylene Sorbitan monooleate	9005-65-6	NE	1 – 2

This product is a mixture for which no health hazard data exist. The hazard communication standard requires that such mixtures be assumed to present the same health hazard as do the components that constitute at least 1% of the mixture (0.1% for carcinogens) although OSHA has noted that the hazards of the individual components may be altered by including them in a mixture. Components of this product that are listed are present in quantities as defined in OSHA 29 CFR 1910.1200

REGULATORY INFORMATION

FEDERAL/NATIONAL

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right To Know Act of 1986, as amended, and of 40 CFR 372 (for SARA 313): None

CERCLA requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product which would require reporting under this statute are: None

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The following components of this product are listed as extremely hazardous substances in 40 CFR Part 355 and are present at levels which could require reporting and emergency planning (SARA Title III Sections 302 & 304): None

SARA Title III Sections 311 and 312:

Delayed Hazard:	NO
Fire Hazard:	NO
Immediate Health Hazard:	NO
Reactive Hazard:	NO
Sudden Release or Pressure Hazard:	NO

National VOC Emissions Standards for Consumer Products: (40 CFR Parts 9 & 59)

Category: Not Listed

VOC Level: N/A

STATE/LOCAL:

California:

Prop. 65: None listed

Cal. Air Resource Board Classification: Not Classified

SECTION 3 - PHYSICAL DATA

Boiling point:	ND	Specific Gravity:	1.20-1.30@25C
Vapor Pressure:	ND	Percent Volatiles:	~66%(Includes H ₂ O)
Vapor Density:	ND	Evaporation Rate:	< 1
Ph:	11.30-11.90@25C	Biodegradability:	ND (n-ethyl acetate = 1)
Solubility in Water:	Soluble	Biodegradability:	ND
Appearance, Color & Odor:	Light blue opaque viscous fluid with light lavender odor		

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: N/A

Extinguishing Media: Water, Carbon Dioxide, Dry Chemical, Foam

Fire Extinguishers: Class A, BC or ABC

Special Fire Fighting Procedures: Wear full protective clothing and positive pressure breathing apparatus

Unusual Fire & Explosion Hazards: None expected.

SECTION 5 - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:

Eyes: May cause eye irritation. Cornea injury is unlikely.

Skin: Short exposure is not likely to cause significant skin irritation. Prolong exposure may cause slight skin irritation.

Inhalation: At room temperatures vapors are minimal due to physical properties. Vapors or mists in unusually high concentrations generated from heating or spraying in poorly ventilated areas or confined spaces may cause irritation of the throat, headache, nausea and drowsiness.

Ingestion: May cause abdominal discomfort, nausea and diarrhea.

EMERGENCY FIRST AID PROCEDURES:

Eye Contact: Immediately flush eyes with water for at least 15 minutes holding eyelids apart. Get Medical attention.

Skin Contact: Wash skin with plenty of soap and water for several minutes. If irritation develops get medical attention. Wash clothing before reuse.

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Inhalation: If irritation, headache, nausea or drowsiness occurs remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

Ingestion: If patient is conscious and can swallow give two glasses of water and induce vomiting. If patient is unconscious do not give anything by mouth-contact medical personnel immediately.

Medical Conditions Aggravated by Exposure: None Expected

SECTION 6 - REACTIVITY DATA

Stability: Stable

Incompatibility: Strong acids

Hazardous Decomposition Products: Oxides of carbon

Hazardous Polymerization: Will not occur

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: No special clean up is necessary for small (less than 1 gallon). For larger spills, dam the spill and adsorb material with earth, sand or similar inert material. Place adsorbed material in suitable containers and discard soiled waste in accordance with federal, state and local regulations. After removal of the contaminated adsorbent, flush spill area with water.

SECTION 8 - SPECIAL PROTECTION

Respiratory Protection: Not required during normal usage.

Ventilation: General room ventilation is normally adequate.

Protective Gloves: Not required during normal usage however, use plastic or rubber gloves if product is used where rinse water is not readily available.

Eye Protection: Not required during normal usage.

Other Protective Equipment: None required in normal usage.

SECTION 9 - SPECIAL PRECAUTIONS OR COMMENTS

Precautions to be taken in handling & storing: Avoid exposure to excessive heat and prevent from freezing.

Other Precautions: None required.

Revision Date:

October 2003

Prepared by: F. J. Goldberg

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