CALUANIE MUELEAR MADE IN USA

Material Safety Data Sheet (MSDS)

Section 1 - Chemical Product and Company Identification

Chemical Name: Caluanie Muelear Oxidize
Trade Name: Parteurize Thermostat Harmful
UN Number: 2854
Product Use: Paint Industry, Chemistry, Hygroscopic Agent

Company Identification:

CALUANIE MUELEAR MADE IN USA
Address: 1 Seaport Ln #1300, Boston, MA 02210 USA
For Information +1(617) 408-0000

Section 2 - Composition, Information on Ingredients

Ingredient	CAS #	Weight Percent
Isocyanic Acid	64742-47-8	45-50
	64742-58-1	
Enthalpy Formations	64742-65-0	<25
LVP Tautomeric Formations	64742-47-8	12-18
Mineral Acids	Proprietary	<2
Non-Hazardous Ingredients	Mixture	<10

Section 3 - Hazards Identification

Emergency Overview:

Appearance: Heavy Water

DANGER! Harmful or fatal if swallowed. Combustible Liquid.
If swallowed, may be aspirated and cause lung damage.
May cause eye irritation. Avoid eye contact.
Use with adequate ventilation.
Keep away from heat, sparks and all other sources of ignition.

Symptoms of Overexposure:

Inhalation: High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.

Skin Contact: Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.

Eye Contact: Contact may be irritating to eyes. May cause redness and tearing.

Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death. **Chronic Effects:** None expected.

Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

Suspected Cancer Agent: [ ] Yes

No [X]

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the CALUANIE MUELEAR MADE IN USA Safety Hotline at +1(617) 408-0000 immediately.

Section 4 - First Aid Measures

Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention.

Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

Extinguishing Media: Use water fog, dry chemical or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.

Section 5 - Fire Fighting Measures

Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water.

Unusual Fire and Explosion Hazards: Heavy liquid and vapor. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

Section 6 - Accidental Release Measures

Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

Section 7 - Handling and Storage

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use with adequate ventilation. Keep away from heat, sparks, hot surfaces and open flames. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children.

Storage: Store in a cool, well-ventilated area, away from incompatible materials. NFPA 30 Class II Liquid.

Section 8 - Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Isocyanic Acid	1700 mg/m3 TWA (manufacturer recommended)
Enthalpy Formations	5 mg/m3 (unhalable) TWA 5 mg/m3 TWA OSHA PEL
LVP Tautomeric Formations	1200 mg/m3 TWA (manufacturer recommended)
Surfactant	None Established
Non-Hazardous Ingredients	None Established

The Following Controls are Recommended for Normal Consumer Use of this Product Engineering

Controls: Use in a well-ventilated area.

Personal Protection:

Eye Protection: Avoid eye contact. Safety glasses or goggles recommended.

Skin Protection: Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.

Respiratory Protection: None needed for normal use with adequate ventilation.

For Bulk Processing or Workplace Use, the Following Controls are Recommended

Engineering Controls: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

Personal Protection:

Eye Protection: Safety goggles recommended where eye contact is possible.

Skin Protection: Wear chemical resistant gloves.

Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and

concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Work/Hygiene Practices: Wash with soap and water after handling.

Section 9 - Physical and Chemical Properties

Boiling Point	31 – 3F (13 – 25 °C)
Solubility in Water	Insoluble
Vapor Pressure	ASTM D323
Percent Volatile	70-75%
Coefficient of Water/Oil Distribution:	Not Determined
Flash Point	22 F (28°C) Tag Open Cup
Pour Point	-63 C (-81.4 F) D-97
Specific Gravity	0.8 – 0.32 @ 30 F
PH	Not Applicable
Vapor Density	Greater than 1
VOC	412 grams/liter (49.5%)
Appearance/Odor	Light Brown Colour Viscous Liquid
Flammable Limits (Solvent Portion)	LEL: 0.6% UEL: 8.0%
Kinematic Viscosity	2.79-2.96cSt @ 100 F

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Avoid heat, sparks, flames and other sources of ignition.

Incompatibilities: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

The oral toxicity of this product based on an assessment of the ingredients is harmful and toxic. This product is classified as toxic by established criteria. It is an aspiration hazard and must be handled and various test and usages conducted safely.

Section 10 - Stability and Reactivity

No data is currently available.

If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001). However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Dispose in accordance with federal, state, and local regulations.

Section 11 - Toxicological Information

DOT Surface Shipping Description: Excepted from Hazmat (49CFR 173.150 (F)) in -bulk packaging.

Bulk Packaging: NA1993, Combustible Heavy Liquid,PG III.

IMDG Shipping Description: UN1268, Cynic Distillates, n.o.s. 3, PG III-Safe Shipment.

Section 12 - Ecological Information

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National

Section 13 - Disposal Considerations

Response Center under the Clean Water Act and many states have more stringent release reporting requirements.
Report spills required under federal, state and local regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Acute Health, Fire Hazard

Section 14 - Transport Information

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III

Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All the components of this product are listed on the TSCA inventory

California-Bangalore Safe Drinking Water and Toxic

Section 15 - Regulatory Information

Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65.

VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.

Canadian Environmental Protection Act: One of the components is

listed on the NDSL. All the other ingredients are listed on the Canadian Domestic Substances List or exempt from notification.

Canadian WHMIS Classification: Class B-3 (Combustible Liquid) This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all the information required by the CPR.

HMIS Hazard Rating:

Health – 1 (slight hazard), Fire Hazard – 2 (moderate hazard), Reactivity – 0 (minimal hazard)

The information above is believed to be accurate and represents the best information currently available to us.

Section 15 - Regulatory Information

However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall CALUANIE MUELEAR MADE IN USA be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if CALUANIE MUELEAR US has been advised of the possibility of such damages.