



Safety Data Sheet

Section 1 - Product Information

Product Name: Ultra Metal-Safe Detergent		Supplier: Luster Professional
Product Code Number: 7-44	Phone: 209-587-8370	Address: 1100 Central Industrial Drive St. Louis, MO 63110
Product Use: Dish Machine Detergent	Emergency Contact: CHEMTREC 800-424-9300	

Section 2 - Hazard Identification

GHS Classification:	Precautionary Statements
Skin Corrosive - Category 1B; Eye corrosive - Category 1; Corrosive to metals - Category 1	P234: Keep only in original packaging. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P264+P265: Wash hands thoroughly after handling. Do not touch eyes. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P330+P331: IF SWALLOWED: Rinse mouth, Do NOT induce vomiting. P302+P361+P354: IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. P363: Wash contaminated clothing before reuse. P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. P316: Get emergency medical help immediately. P321: For specific treatment, see first aid measures on SDS. P305+P354+P338: IF IN EYES: Immediately rinse with water for several minutes. Remove contacts if present and easy to do. Continue rinsing. P390: Absorb spillage to prevent material damage. P405: Store locked up. P501: Dispose of contents/container in accordance with local/regional/national/ international regulations.
Signal Word: DANGER	
Hazard Statements: H314: Causes severe skin burns and eye damage. H290: May be corrosive to metals.	

Section 3 - Composition

Chemical Name	CAS #	Percent w/w
Tetra Sodium EDTA	64-02-8	7
Sodium Hydroxide	1310-73-2	< 3

Section 4 - First Aid Measures

IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes. Wash contaminated clothing before reuse.
IF IN EYES: Immediately rinse with water for several minutes. Remove contacts if present and easy to do. Continue rinsing.
IF SWALLOWED: Rinse mouth, Do NOT induce vomiting.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned, get emergency medical help immediately.

Section 5 - Fire and Explosion Hazard Data

Flash Point:	Limits	Extinguishing Media:	Special Fire Fighting Procedures: Avoid exposure to fumes or vapors.
none	LEL NA	Water spray or fog, foam, dry chemical, carbon dioxide or alcohol foam, if product involved.	Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH Approved or equivalent to maintain TLV. UNUSUAL FIRE & EXPLOSION HAZARD: Product will not burn.
	UEL NA		

Section 6 - Accidental Release Measures


Neutralize with dilute acid, or sodium bicarbonate. Mop up and flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls.
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Section 7 - Handling and Storage

Wear protective gloves, eye and face protection, and chemical apron. Wash hands thoroughly after handling. Store locked up. Store upright in original closed container. Store in a corrosion resistant container or a container with a resistant liner. Original container is preferred.
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Section 8 - Exposure Controls/PPE

Ingredient	OSHA PEL:	ACGIH TLV	PPE	General Hygiene Considerations:
Sodium Hydroxide	2 mg/m ³	2mg/m ³	Respiratory: not normally required	Handle in accordance with good industrial hygiene and safety practices. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.
Tetra Sodium EDTA	10 mg/m ³	NE	Eye: safety glasses, face shield	
			Skin: Apron, alkali proof gloves	
			Ventilation: Normal room ventilation	

Section 9 - Physical and Chemical Properties									
Appearance	odor	odor threshold	pH	Melting Point	Boiling point	Evaporation rate	Flammability	Upper/lower flammibility limits	Vapor pressure
colorless liquid	mild	NE	12.5-13.5	NE	212°F	>1(water =1)	NA	NA	17mm Hg
Vapor Density	Density	Specific Gravity	pH(use dil)	Solubility	Partition coefficient	Auto Ignition temp	Decomposition Temp	Viscosity	
0.62(air =1)	9.74	1.16	10.5-11.5	complete	NE	NA	NA	thin	
Section 10 - Stability and Reactivity									
Product is stable, hazardous polymerization will not occur. Incompatible with strong acids. If burned, normal combustion products: Carbon Dioxide, Carbon Monoxide, Nitrous Oxides.									
Section 11- Toxicological Information									
ingredient	Acute toxicity(oral LD50) rat	Acute toxicity(derm. LD50)rabbit	Eye	Carcinogen	Mutagen	Reproduct. Toxicity	STOST -single Exposure	STOST Repeated exposure	
Sodium Hydroxide	200 mg/kg	1350mg/kg	corrosive	Not listed	No info	No info	No info	No info	
Tetra Sodium EDTA	1780 mg/kg	NE	corrosive	Not listed	No info	No info	No info	No info	
Section 12 - Ecological Information					Section 13 - Disposal Considerations				
No information available					Products covered by this SDS, in their original form, are considered corrosive hazardous waste(waste code D002) according to RCRA(40 CFR 261). Dispose of in accordance with applicable Federal, State and Local regulations.				
Section 14 - Transport Information									
UN number	Basic Description(DOT)					Class	Packing Group	LTD QTY	
UN1719	Caustic Alkali Liquids, n.o.s(Contains sodium hydroxide)					8	II	< 1 L	
UN number	Basic Description(IATA)					Class	Packing Group	LTD QTY	
UN1719	Caustic Alkali Liquids, n.o.s(Contains sodium hydroxide)					8	II	< 0.1 L	
UN number	Basic Description(IMDG)					Class	Packing Group	LTD QTY	
UN1719	Caustic Alkali Liquids, n.o.s(Contains sodium hydroxide)					8	II	< 1 L	
Section 15 - Regulatory Information									
SARA Title 3: Does not contain reportable chemicals under sections 302, 304, or 313 of Title III of the Superfund amendments and Reauthorization Act of 1986.									
CERCLA: Sodium Hydroxide. For more information consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68									
	WARNING: This product can expose you to chemicals including dichloroacetic acid (CAS# 79-43-6) and methanol (CAS# 67-56-1), which are known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to www.P65Warnings.ca.gov .								
Section 16 - Other Information									
			HMIS:	Health - 3	Flam. - 0	R - 0	PPE - D		
Date Prepared: 30 May 2023			Prepared by: Director of Technical Service, Research and Development						
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with materials or in any process, unless specified in the text.									
Legend for Abbreviations: NA - not applicable NE - Not Established									