Section 1 - Product Information

			Supplier:	Luster Professional
Product Name: Luster PROFESSIONAL All-Temp Detergent			Address:	1100 Central Industrial Drive
Product Code Number:7-46				St. Louis, MO 63110
Product use:	Dish Machine Detergent	Emergency Contact: CHEMTREC 1-800-424-9300	Phone:	209-587-8370

Section 2 - Hazard Identification

Appearance and Odor: Clear, thin red liquid with a mild odor

Primary Routes of Exposure: Eye, Skin, Ingestion
Signal Word: DANGER

Hazard Statements

Causes severe skin burns and eye damage.Harmful if swallowed.

Precautionary Statements

Wear protective gloves and eye protection. Wash thoroughly after handling. Do not breathe mist or dust.
IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
IF IN EYES: Rinse cautiously 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 to fresh air and keep at rest position comfortable for breathing. Immediately call a POISON CENTER or physician.

Section 3 - Composition

Chemical Name	CAS #	Percent w/w
Potassium Hydroxide	1310-58-3	14
Sodium Hydroxide	1310-73-2	16
Sodium Polyacrylate	9003-04-7	< 3
1-hydroxy ethylidene-1,1diphosphonic acid	2809-21-4	< 1
phosphonic acid	13598-36-2	< 1
water	7732-18-5	

Section 4 - First Aid Measures

Skin: Flush with flowing water for at least 15 minutes or until slippery feeling disappears. Get medical attention for any burns that may occur.

Eyes: Flush with flowing water for 15 min & see physician

Ingestion: IF SWALLOWED, rinse mouth, do not induce vomiting, immediately call a POISON CENTER or doctor/physician.

Inhalation: IF INHALED, Move to fresh air and keep at rest in a position comfortable for breathing.

Section 5 - Fire and Explosion Hazard Data

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

Section 7 - Handling and Storage

Store locked up. Store upright in original closed container.

Section 8 - Exposure Controls/PPE

Ingredient	OSHA PEL:	ACGIH TLV	**PPE**		**General Hygiene Considerations:** 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.
Potassium Hydroxide	2mg/m^3	2mg/m^3	**Respiratory:**	not normally required	
Sodium Hydroxide	2mg/m^3	2mg/m^3	**Eye:**	safety glasses, face shield	
			Skin:	Apron, alkali proof gloves	
			Ventilation:	Normal room ventalization	

Section 9 - Physical and Chemical Properties

Appearance	**odor**	**odor threshold**	**pH**	**Melting Point**	**Boiling point**	**Evaporation rate**	**Flammability**	**Upper/lower flammibility limits**	**Vapor pressure**
red liquid	mild	NE	14	NE	212ºF	>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)	11.07lbs/gal	1.33	13	100% in water	NE	NA	NA	waterlike	

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
Potassium Hydroxide	214mg/kg(rat)	not listed	corrosive	Not listed	No info	No info	No info	No info
Sodium Hydroxide	not listed	1350mg/kg	corrosive	Not listed	No Info	No info	No info	No info
all combined	463mg/kg							

Other:

Section 12 - Ecological Information

Fish toxicity not available. Biodegradability not available. Toxic to aquatic life through a raise in pH to toxic levels.

Section 13 - Disposal Considerations

Products covered by this SDS, in their original form, are considered corrosive waste, waste code D002, according to RCRA (40 CFR 261). Do not allow this material to drain into sewers/water supplies. 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(potassium hydroxide, sodium hydroxide)	8	II	< 1Liter
UN number	Basic Description(IATA)	Class	Packing Group	LTD QTY
UN 1719	Caustic Alkali Liquid, n.o.s(potassium hydroxide, sodium hydroxide)	8	II	< 0.5L
UN number	Basic Description(IMDG)	Class	Packing Group	LTD QTY
UN 1719	Caustic Alkali Liquid, n.o.s(potassium hydroxide, sodium hydroxide)	8	II	< 1Liter

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, Potassium Hydroxide. For more information consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68

Section 16 - Other Information

				HMIS:	Health 3	Flam. - 0	Physical Hazard - 1
Date Prepared: 02-08-2019				Prepared by Environmental, Health and Safety Administrator.			

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