Safety Data Sheet

Section 1 - Product Information

			Supplier:	Luster PROFESSIONAL
Product Name: Chlorine Sanitizer			Address:	1100 Central Industrial Drive
Product Code Number: 7-62				St. Louis, MO 63110
Product use:	Food Service Sanitization	Emergency Contact: CHEMTREC 1-800-424-9300	Phone:	209-587-8370

Section 2 - Hazard Identification

Appearance and Odor: Light yellow liquid, chlorine bleach odor

Primary Routes of Exposure: Eye, Skin, Ingestion, Inhalation

Signal Word: DANGER

Hazard Statements

Causes severe skin burns and serious eye damage. Maybe corrosive to metal. May cause respiratory irritation. Very toxic to aquatic life.

Precautionary Statements

Wear protective gloves and eye protection. Wash thoroughly after handling. Do not breathe mist or dust. Avoid release to the environment. Collect spillage.
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
Sodium Hypochlorite	7681-52-9	6-11
Sodium Chloride	7647-14-5	5-13
Sodium Hydroxide	1310-73-3	0.2-4.0

Section 4 - First Aid Measures

If exposed or if you feel unwell: Call a Poison Center or doctor. Show safety data sheet to the doctor in attendance. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of skin contact, remove contaminated clothing and rinse skin with plenty of water for at least 15 minutes or until slippery feeling disappears. Seek medical attention immediately. Wash clothes before reuse. In case of eye contact, immediately flush eyes with large amounts of water for at least 15 minutes. Seek medical attention immediately.

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

Keep unnecessary and unprotected personnel from entering area. Ventilate area of leak or spill and remove all sources of ignition. Wear appropriate personal protective equipment. Contain and recover liquid when possible. Small spills can be absorbed with noncombustible absorbents. Neutralize with sodium thiosulfate and flush with plenty of water.

Section 7 - Handling and Storage

Store locked up. Keep in tightly closed containers, store in cool, dry, well ventilated area. Isolate from incompatible substances. Avoid storage for long periods of time as product degrades over time. The recommended storage temperature is between 15ºC and 25ºC. Storage at 15ºC reduces rate of decomposition.

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.
Sodium Hydroxide	$2mg/m^3$	$2mg/m^3$	**Respiratory:**	not normally required	
Sodium Hypochlorite	NE	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
yellow liquid	chlorine	NE	13	-6ºC	NA	>1(water =1)	NA	NA	2500 Pa
Vapor Density	**Density**	**Specific Gravity**	**pH(use dil)**	**Solubility**	**Partition coefficient**	**Auto Ignition temp**	**Decomposition Temp**	**Viscosity**	
NA	9.8lbs/gal	1.17	11	100% in water	-3.42	NA	NA	waterlike	

Section 10 - Stability and Reactivity

Product reacts violently with acids releasing toxic gas. Product is unstable. Stability decreases with concentration, heat and light exposure, decrease in pH and contamination with heavy metals such as cobalt, nickel , copper and iron. After 3 month's storage at 15ºC the product concentration decreases by 2%. Sodium Hypochlorite is extremely corrosive for aluminum and brass. Reacts with metals with oxygen release, with ammonia, urea , oxidizable substances, ammonium nitrate, ammonium oxalate, ammonium phosphate, ammonium acetate, ammonium carbonate, cellulose and methanol. Avoid exposure to light, heat and incompatibles.

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 Hypochlorite	1100mg/kg(rat)	>20g/kg	corrosive	No	No	No	No info	No info
Sodium Hydroxide	not listed	1350mg/kg	corrosive	Not listed	No Info	No info	No info	No info

Other:

Section 12 - Ecological Information

Fish Toxicity:This material is believed to be of a moderate order of toxicity based on analogous material. Biodegradation: This material is inorganic and not subject to biodegradation. Persistence:This material is believed not to persist in the environment. Bioconcentration:This material is believed not to bioaccumulate. Other Ecological Information:This material may be harmful to aquatic life in low concentrations

Section 13 - Disposal Considerations

Do not discharge into waterways or sewer systems without prior approval. This material, in its original form, is considered hazardous waste 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
UN1791	Sodium Hypochlorite solutions	8	III	< 5Liter

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

Section 16 - Other Information

WHMIS:			HMIS:	Health 3	Flam. - 0	Physical Hazard - 1
Date Prepared: 03/13/14			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