

# Safety Data Sheet

## Section 1 - Product Information

Product Name: SOLO		Supplier: Advanced Chemical Solutions
Product Code Number: 0708	Information Phone: 406-259-7935	Address: 216 MOORE LANE BILLINGS, MT 59101
Product use: Dish Machine Detergent	Emergency Contact: CHEMTREC 1-800-424-9300	

## Section 2 - Hazard Identification

GHS Classification: Skin corrosive category 1B, Eye corrosive category 1, oral toxicity category 4

### Section 2.1 - Label Elements

<p style="text-align: center;">Hazard Pictograms</p> <div style="display: flex; justify-content: space-around; align-items: center;"> </div> <p>Signal Word: Danger</p> <p style="text-align: center;">Hazard Statements:</p> <p>Causes severe skin burns and eye damage. Harmful if swallowed.</p>	<p style="text-align: center;">Precautionary Statements:</p> <p>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.</p>
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## Section 3 - Composition

Chemical Name	CAS #	Percent w/w
Potassium Hydroxide	1310-58-3	14
Sodium Hydroxide	1310-73-2	16

## Section 4 - First Aid Measures

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 5 - Fire and Explosion Hazard Data

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

## 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:
Potassium Hydroxide	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	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.
Sodium Hydroxide	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	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 flammability limits	Vapor pressure
red liquid	mild	NE	14	NE	212°F	>1(water =1)	NA	NA	17mm Hg
Vapor Density	Density	Specific Gravity	pH(use dil)	Solubility	Partition coefficient	Auto Ignition temp	Viscosity	Decomposition Temp	
0.62(air =1)	11.07lbs/gal	1.33	13	100% in water	NE	NA	thin	NE	

### 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	Skin and 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	200mg/kg	1350mg/kg	corrosive	Not listed	No Info	No info	No info	No info

Other:

### Section 12 - Ecological Information

No information available

### Section 13 - Disposal Considerations

Products covered by this SDS, in their original form, are considered corrosive 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
UN1719	Caustic Alkali Liquids, n.o.s.(Contains 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

WHMIS: E		HMIS: Health - 3	Flam. - 0	R - 1	PPE- D
Date Prepared: 04-16-2015		Prepared by: Environmental, Health and Safety Administrator.			

The information provided in this Safety Data Sheet is correct to the best of our knowledge 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