

**1. Product and company identification**

Product Name PRO-TECH

UN/ID No. UN 1759

**Recommended use of the chemical and restrictions on use**

Recommended Use Special high alkalinity auto-dish detergent

**Supplier:** Butler Chemicals, Inc.  
3070 E. Ceena CT.  
Anaheim, CA. 92806

**Print date:** 07-19-14

**Responsible name:** Kenny Bailey  
**In case of emergency:** HEALTH EMERGENCIES — SPILL EMERGENCIES  
CALL INFOTRAC 1(800) 535-5053

<b>Product type:</b>	Solid Powder
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**2. Hazards identification**

<b>Appearance:</b> White Powder	<b>Physical State:</b> Solid Powder	<b>Odor:</b> None
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**Classification**

Acute Toxicity – Oral	Category 4
Acute Toxicity – Inhalation (Dust/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

**Signal Word:** Danger

**Pictograms:**



**Hazard Statement**

Harmful if swallowed  
Causes severe skin burns and eye damage  
Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.  
May cause respiratory irritation

### **Precautionary Statements – Preventions**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area  
Do not breathe dust/fume/gas/mist/vapors/spray  
Wear protective gloves/protective clothing/eye protection/face protection

### **Precautionary Statements – Response**

Immediately call A POISON CENTER or doctor/physician  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing immediately call a POISON CONTROL or doctor/physician  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
Wash contaminated clothing before reuse  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Immediately call a POISON CENTER or doctor/physician  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth, Do not induce vomiting

### **Precautionary Statements – Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed

### **Precautionary Statements –Disposal**

Disposed of contents/container to an approved waste disposal plant

### **Other Hazards**

Harmful to aquatic life with long lasting effects  
Harmful to aquatic life

## **3. Composition/information on ingredients**

<b><u>Name</u></b>	<b><u>CAS number</u></b>	<b><u>%</u></b>
Sodium Hydroxide	1310-73-2	<24%
Sodium Metasilicate Anhydrous	6834-92-0	<24%

## **4. First aid measures**

<b>Eye contact:</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician
<b>Skin contact:</b>	If on Skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek medical attention.
<b>Inhalation:</b>	If Inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

<b>Ingestion:</b>	If Swallowed: rinse mouth. Do NOT induce vomiting. Drink large quantities of water without delay. Drink milk or milk of magnesia. Immediately call a POISON CENTER or doctor/physician.
<b>Symptoms</b>	<b>Most important symptoms and effects:</b> Causes severe skin burns and eye damage. May cause respiratory irritation. Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, and esophagus and stomach.
<b>Note to physician</b>	Treat symptomatically

## 5. Fire-fighting measures

<b>Flash point:</b>	N/A
<b>Flammability of the product:</b>	None, Material is not flammable
<b>Suitable Extinguishing media:</b>	Foam, Co2, Dry Chemical, Water Spray, Water, Carbon dioxide (CO2)
<b>Non suitable Extinguishing Media</b>	Not determined
<b>Specific Hazards Arising from the Chemical</b>	Product reacts exothermically with water
<b>Unusual Fire &amp; Explosion Hazards</b>	Direct contact with water can cause a violent exothermic reaction
<b>Special protective equipment for fire-fighters:</b>	Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

<b>Personal precautions:</b>	Use personal protective equipment as required
<b>Environmental precautions:</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal considerations, for additional information

### Methods for cleanup and containment of material

<b>Methods of containment</b>	Prevent further leakage or spillage if safe to do so
<b>Large spill:</b>	Sweep up and shovel into suitable containers for disposal

## 7. Handling and storage

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray.
<b>Storage</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.
<b>Incompatible Materials</b>	Strong mineral acids, Strong acids. Chemically reactive metals such as aluminum and magnesium. Dissolving product in water liberates much heat.

## 8. Exposure controls/personal protection

## Exposure Guidelines

<b>Chemical name</b>	<b>ACGIH-TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
Sodium Hydroxide	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>
Sodium metasilicate	2 mg/m <sup>3</sup>	2mg/m <sup>3</sup>	

**Engineering Controls**      **Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers.**

### Individual-protection measures, such as personal protective equipment

**Eye/Face Protection**                      Chemical anti-splash safety goggles

**Skin and Body Protection**                Rubber gloves. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection**                    Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Approved/certified dust respirator or equivalent.

**General Hygiene considerations**        Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

## **9. Physical and chemical properties**

**Physical state**                                      Solid Powder

**Boiling Point**                                      N/A

**Color**    White Powder

**pH**    Approx. 13.8 (1% Solution)

**Reactivity in Water**                              Dissolves with liberation of much heat

**Solubility in Water**                                Complete

**Evaporation Rate**                                N/A

## **10. Stability reactivity**

**Stability**    Stable under recommended storage conditions

**Hazardous polymerization**                    Hazardous polymerization does not occur

**Conditions to avoid**                            Excessive heat. Avoid direct sunlight. Avoid moisture

**Materials to avoid**                              Strong mineral acids, Strong acids. Chemical reactive metals such as aluminum and magnesium. Dissolving product in water liberates much heat.

**Hazardous decomposition products**        None known based on information sheet.

## **11. Toxicological information**

**Information on likely routes of exposure**

**Eye Contact** Causes severe eye damage

**Skin Contact** Causes severe skin burns

**Inhalation** Harmful if inhaled

**Ingestion** Harmful is swallowed

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC 50
Sodium Hydroxide 1310-73-2	-	=1350 mg/kg (Rabbit)	-
Sodium metasilicate	=600 mg/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Not classifiable as a human carcinogen.

**Numerical Measures of Toxicity-Product**

Not determined

**12. Ecological information**

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Hydroxide 1310-73-2		45.4: 96h Oncorhynchus mykiss mg/L LC50 Static		
Sodium metasilicate 6834-92-0		210: 96 h Brachydanio rerio mg/L LC50 semi- static 210: 96 h Brachydanio rerio mg/L LC50		216: 96 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not Determined

**Biopaccumulation**

Not Determined

**Mobility**

Not Determined

**Other Adverse Effects**

Not Determined

**13. Disposal considerations**

**Waste disposal:**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

<b>14. Transport information</b>
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Regulatory Information	UN number	Proper shipping name	Class	PG*	Personal Protection
DOT Classification Corrosive Solid	UN1759	Sodium Hydroxide, Sodium Metasilicate Anhydrous	8	II	C

\*PG: Packing group

<b>15. Regulatory information</b>
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**International Inventories**

Not determined

**US Federal Regulations**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Caustic Soda 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Component	CWA –Reportable Quantities	CWA – Toxic Pollutants	CWA –Priority Pollutants	CWA-Hazardous Substances
Sodium Hydroxide 1310-73-2	1000 lb			X

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

<b>16. Other information</b>
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**HMIS**

**Health Hazards**

**Flammability**

**Reactivity**

**Personal Protection**

**Indicates information that has changed from previously issued version.**

**Disclaimer**

The information provided in the 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 a 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 any other materials or in any process, unless specified in the text.

End of Safety Data Sheet