

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

**Product Name** POWDER KEG

**Other means of identification**

**Product Code** 1138

**UN/ID No.** UN1759

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

**Recommended Use** See label for recommended uses.

**Uses advised against** Use only as stated on label.

**Details of the supplier of the safety data sheet**

**Supplier** Alpha Chemical Services, Inc.  
46 Morton Street  
Stoughton, MA 02072  
Phone: (800) 464-9872

**Emergency telephone number**

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Not classified
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity (single exposure)	Category 3

**Label elements**

**Emergency Overview**

**Danger**

**Hazard statements**

Harmful if swallowed

Causes severe skin burns and eye damage

May cause respiratory irritation



<b>Appearance</b> White Powder	<b>Physical state</b> Granules	<b>Odor</b> Bland
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**Precautionary Statements - Prevention**

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

**Precautionary Statements - Response**

Specific Treatment (See Section 4 on the SDS)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER 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  
 Immediately call a POISON CENTER or doctor/physician  
 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: Rinse mouth. DO NOT induce vomiting  
 Immediately call a POISON CENTER or doctor/physician

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

Unknown Acute Toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Sodium Metasilicate	6834-92-0	30-40	*
Sodium Percarbonate	15630-89-4	30-40	*
Sodium Tripolyphosphate	7758-29-4	25-35	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures**

<b>General advice</b>	Immediate medical attention is required.
<b>Skin Contact</b>	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Eye contact</b>	Immediate medical attention is required Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes Keep eye wide open while rinsing Do not rub affected area
<b>Inhalation</b>	Remove to fresh air. Call a physician or poison control center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Ingestion</b>	Immediate medical attention is required. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down. Clean mouth with water and drink afterwards plenty of water. Call a physician or poison control center immediately.

**Self-protection of the first aider** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No Information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion do not breathe fumes.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

**Environmental precautions**

**Environmental precautions** Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.
<b>Incompatible materials</b>	Incompatible with strong acids and bases. Incompatible with oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

<b>Exposure Guidelines</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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**Appropriate engineering controls**

<b>Engineering Controls</b>	Showers, Eyewash stations & Ventilation systems.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Tight sealing safety goggles. Face protection shield.
<b>Skin and body protection</b>	Wear chemical resistant gloves.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

<b>General Hygiene</b>	When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.
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**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Granules		
<b>Appearance</b>	White Powder		
<b>Odor</b>	Bland	<b>Odor threshold</b>	No Information available
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	11.0 - 12.0	1% solution	
<b>Melting point/freezing point</b>	No Information available		
<b>Boiling point / boiling range</b>	No Information available		
<b>Flash point</b>	None		
<b>Evaporation rate</b>	No Information available		
<b>Flammability (solid, gas)</b>	No Information available		
<b>Flammability Limits in Air</b>			
<b>Upper flammability limit:</b>	No Information available		
<b>Lower flammability limit:</b>	No Information available		
<b>Vapor pressure</b>	No Information available		
<b>Vapor density</b>	No Information available		
<b>Specific Gravity</b>	No Information available		
<b>Water solubility</b>	Complete		
<b>Solubility in other solvents</b>	No Information available		
<b>Partition coefficient</b>	No Information available		
<b>Autoignition temperature</b>	No Information available		
<b>Decomposition temperature</b>	No Information available		
<b>Kinematic viscosity</b>	No Information available		
<b>Viscosity</b>	No Information available		
<b>Explosive properties</b>	No Information available		

**Oxidizing properties** No Information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Exposure to air or moisture over prolonged periods.

### Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	No data available
<b>Inhalation</b>	Causes burns.
<b>Eye contact</b>	Corrosive to the eyes and may cause severe damage including blindness.
<b>Skin Contact</b>	The product causes burns of eyes, skin and mucous membranes.
<b>Ingestion</b>	Causes burns. Harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Metasilicate 6834-92-0	= 1153 mg/kg ( Rat )	-	-
Sodium Percarbonate 15630-89-4	= 1034 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	-
Sodium Tripolyphosphate 7758-29-4	= 3120 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	-
Sodium Sulfate 7757-82-6	> 10000 mg/kg ( Rat )	-	-
Alcohol Alkoxylate	> 500 mg/kg ( Rat )	-	-

### Information on toxicological effects

**Symptoms** No Information available.

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

**Corrosivity** Causes burns. Extremely corrosive and destructive to tissue. Risk of serious damage to eyes.

**Sensitization** No Information available.

**Germ cell mutagenicity** No Information available.

**Carcinogenicity** No Information available.

**Reproductive toxicity** No Information available.

**STOT - single exposure** No Information available.

<b>STOT - repeated exposure</b>	No Information available.
<b>Chronic toxicity</b>	Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk of irreversible effects.
<b>Aspiration hazard</b>	No Information available.

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0 % of the mixture consists of ingredient(s) of unknown toxicity  
**The following values are calculated based on chapter 3.1 of the GHS document**

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
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
Sodium Percarbonate 15630-89-4	-	70.7: 96 h Pimephales promelas mg/L LC50 static	4.9: 48 h Daphnia pulex mg/L EC50
Sodium Sulfate 7757-82-6	-	3040 - 4380: 96 h Lepomis macrochirus mg/L LC50 static 13500: 96 h Lepomis macrochirus mg/L LC50 13500 - 14500: 96 h Pimephales promelas mg/L LC50 6800: 96 h Pimephales promelas mg/L LC50 static	2564: 48 h Daphnia magna mg/L EC50 630: 96 h Daphnia magna mg/L EC50
Alcohol Alkoxylate	EC50 (72 h) > 10 - 100 mg/l, Pseudokirchneriella subcapitata (OECD Guideline 201)	LC50 (96 h) > 10 - 100 mg/l, Pimephales promelas (OECD Guideline 203, static)	EC50 (48 h) > 100 mg/l, Daphnia magnaThe product has not been tested. The statement has been derived from substances/products of asimilar structure or composition.

**Persistence and degradability**

No Information available.

**Bioaccumulation**

No Information available.

**Other adverse effects**

No Information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.

**14. TRANSPORT INFORMATION****DOT**

<b>UN/ID No.</b>	UN1759
<b>Proper shipping name</b>	Corrosive solids, n.o.s.
<b>Hazard Class</b>	8

<b>Packing Group</b>	II
<b>Special Provisions</b>	128, IB8, IP2, IP4, T3, TP33
<b>Description</b>	UN1759, Corrosive solids, n.o.s. (Sodium Metasilicate), 8, II,
<b>Emergency Response Guide Number</b>	154

## 15. REGULATORY INFORMATION

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Does not comply
<b>AICS</b>	Does not comply

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **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

#### **SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### **U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Tripolyphosphate 7758-29-4	-	X	X
Sodium Sulfate 7757-82-6	-	X	X

#### **U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not Applicable

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health hazards</b> 3	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Physical and Chemical Properties</b> -
<b>HMIS</b>	<b>Health hazards</b> 3	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> D

**Issue Date** 14-Nov-2014

**Revision Date** 14-Jan-2022

**Revision Note**

No Information available

**Disclaimer**

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 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**