

**SAFETY DATA SHEET**

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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**Section I - Product & Company Identification**

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**Product identifier**

Product name : FLATWARE PRESOAK

Product form: Powder

Other means of identification: 1606

Relevant identified uses of the substance or mixture: Powdered detergent

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

Manufacturer:

Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150

Phone: 816-472-5515

**Emergency telephone number**

Emergency number : CHEMTREC: 1-800-424-9300

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**Section II – Hazards Identification**

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**Classification**

Corrosive to metals Category 1

Serious eye damage Category 1

Skin corrosion/irritation Category 1

Acute toxicity, Oral Category 4

Specific target organ toxicity – single exposure (Category 3), Respiratory system.

Pictogram



**Signal Word**

**Danger**

**Hazard Statements**

May be corrosive to metals.

Causes severe skin burns and eye damage.

Causes serious eye damage

May cause respiratory irritation.

Harmful if swallowed.

### **Precautionary Statements – Prevention**

Keep only in original container.

Avoid breathing dusts or mists.

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.

Wear protective gloves/protective clothing/eye protection/face protection

### **Precautionary Statements - Response**

**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:** Take off contaminated clothing . Wash with plenty of soap and water. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor/physician if you feel unwell.

**IF SWALLOWED:** Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

### **Precautionary Statements - Storage**

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

### **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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## **Section III –Composition/Information on ingredients**

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Mixture

<b>Name</b>	<b>CAS #</b>	<b>Weight %</b>
Sodium carbonate	497-19-8	60-70
Sodium Metasilicate	6834-92-0	10-20
Sodium Tripolyphosphate	7758-29-4	10-20

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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## **Section IV – First Aid Measures**

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### **First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact:** **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

**Ingestion:** Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

**Skin Contact:** Remove contaminated clothing, wash with plenty of water. If skin irritation persists, call a physician.

## **Most Important Symptoms and Effects, both Acute and Delayed**

### **Symptoms**

Causes severe skin burns and eye damage.

## **Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** Treat symptomatically

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### **Section V – Fire Fighting Measures**

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#### **Suitable Extinguishing Media**

Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media** Not determined.

#### **Specific Hazards Arising from the Chemical**

No data available

#### **Protective Equipment and Precautions for Firefighters**

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

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### **Section VI – Accidental Release Measures**

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#### **Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Avoid breathing dust or mists.. Ensure adequate ventilation. Evacuate personnel to safe area.

#### **Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so. Prevent discharge to open bodies of water, municipal sewers, and watercourses.

**Methods for Cleaning Up:** Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal.

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### **Section VII – Handling & Storage**

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#### **Precautions for Safe Handling**

**Advice on Safe Handling:** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

#### **Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place.

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## Section VIII – Exposure Controls/ Personal Protection

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### Exposure Guidelines

<b>Chemical Name</b>	<b><u>CAS #</u></b>	<b><u>ACGIH TLV</u></b>	<b><u>OSHA PEL</u></b>	<b><u>NIOSH</u></b>	<b><u>USA WEEL</u></b>
Sodium carbonate	497-19-8	No exposure limit	No exposure limit	No exposure limit	No exposure limit
Sodium Metasilicate	6834-92-0	No exposure limit	No exposure limit	No exposure limit	No exposure limit
Sodium Tripolyphosphate	7758-29-4	No exposure limit	No exposure limit	No exposure limit	5 mg/kg

### Appropriate Engineering Controls

**Engineering Controls:** Provide adequate ventilation, eyewash stations.

### Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection:** Wear approved safety goggles where a splash hazard exists.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

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## Section IX – Physical & Chemical Properties

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### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Powder
<b>Color</b>	White
<b><u>Property</u></b>	<b><u>Values</u></b>
pH	No data available
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	No data available
Flash Point	Not applicable
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	2.5

Water Solubility	Soluble in Water
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	Lemon
Odor Threshold	No data available

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### Section X – Stability & Reactivity

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**Reactivity**

No data available

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None known.

**Conditions to Avoid**

Prolonged contact with metals.

**Incompatible Materials**

Strong oxidizing agents, strong acids..

**Hazardous Decomposition Products**

Carbon dioxide, carbon monoxide.

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### Section XI - Toxicological information

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**Information on Likely Routes of Exposure**

**Product Information**

**Inhalation:** Avoid breathing dusts or mists.

**Eye Contact:** Causes serious eye damage.

**Skin Contact:** Causes serious skin burns. Avoid contact with skin.

**Ingestion:** Harmful if swallowed.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate	497-19-8	4090 mg/kg (Rat)	No data available	5750 2 h (Rat)
Sodium Metasilicate	6834-92-0	1,152-1,349 mg/kg	No data available	No data available
Sodium Tripolyphosphate	7758-29-4	7,400 mg/kg(Rat)	No data available	No data available

Chemical Name	Sodium carbonate	Sodium Metasilicate	Sodium Tripolyphosphate
Skin corrosion/irritation	Mild irritation(rabbit)	corrosion (rabbit)	Severe skin burns
Serious eye damage/irritation	Irritation (rabbit)	Severe eye damage	Serious eye damage
Respiratory or skin sensitization	No data available	Does not cause.	No data available
Mutagenicity	No data available	Negative	No data available
Carcinogenicity	Not classifiable	Not classifiable	Not classifiable
Reproductive toxicity	No data available	No data available	No data available
Specific target organ toxicity-Single exposure	No data available	Inhalation, oral- may cause respiratory irritation.	No data available
Specific target organ toxicity-repeated exposure	No data available	No data available	No data available
Aspiration hazard	No data available	No data available	No data available

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure**

**Carcinogenicity:** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical Measures of Toxicity:** Not determined

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**Section XII - Ecological information**

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**Ecotoxicity**

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Sodium carbonate	497-19-8	No data available	LC50 - Lepomis macrochirus (Bluegill) - 300 mg/l - 96 h	EC50 - Daphnia magna (Water flea) - 265 mg/l - 48 h
Sodium Metasilicate	6834-92-0	No data available	semi-static test LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h	No data available
Sodium Tripolyphosphate	7758-29-4	No data available	No data available	EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h

**Persistence and Degradability**

No data available

**Bioaccumulation**

No data available

**Mobility**

No data available

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**Section XIII - Disposal considerations**

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**Waste Disposal Method**

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways

**Section XIV - Transport information**

**DOT Proper Shipping Description:**

**Bulk & Non-Bulk:** UN1759, Corrosive solids, N.O.S., (Sodium metasilicate, sodium tripolyphosphate, 8, PGIII

**Section XV - Regulatory information**

**SARA Title III Section 311/312 (40CFR370):** Acute health hazard

**SARA Title III Section 313 (40CFR372):** No reportable components.

**RCRA Status (40CFR261.33):** No reportable components.

**TSCA Inventory Status:** Reported/included

**OSHA/NTP/IARC Carcinogen Status:** Not listed

**Canadian DSL Status:** No data available.

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium carbonate 497-19-8	X	Not regulated	X
Sodium Metasilicate 6834-92-0	X	Not regulated	X
Sodium Tripolyphosphate 7758-29-4	X	X	X

**Section XVI - Other information**

**HMIS ratings:** Health: 3 Flammability: 0 Reactivity: 0

Indication of changes: Revision – 1

Date Sheet Prepared: 07/29/2015 Other information: Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

**END OF SDS**