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SAFETY DATA SHEET

1. Product and company identification

Product Name: Power
UN/ID No. UN1759 Corrosive Solids, N.O.S.
Recommended use of the chemical and restrictions on use:
Recommended Use: Powdered Dish Detergent for Industrial and Commercial Use
Supplier: Immaculate Solutions Group
13525 Midland Rd.
Poway, CA 92064
888-780-8420
Print date: 02-18-2025
Responsible name: K.B.
In case of emergency: **For Chemical Emergency**
Spill, Leak, Exposure or Incident
CALL INFOTRAC • 24-Hour Number
1(800) 535-5053 or +1-352-232-3500
Product type: Solid Powder

2. Hazards identification

Appearance: White Powder	Physical State: Solid Powder	Odor: Bland Odor
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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



Hazard Statement:

Harmful if swallowed
Causes severe skin burns and eye damage
Harmful if inhaled.
May cause respiratory irritation

Precautionary Statements – Preventions:

Read label before use
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
Keep out of reach of children

Precautionary Statements – Response:

Immediately call a poison control 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 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. Call a poison control 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 control center or doctor/physician

IF SWALLOWED: Immediately call a poison control 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 and in original container.

Precautionary Statements –Disposal: Dispose of contents/container in accordance with local/state/national and federal regulations.

Other Hazards: Harmful to aquatic life with long lasting effects. Harmful to aquatic life

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Caustic Soda	1310-73-2	T/S
Sodium Metasilicate	6834-92-0	T/S
Sodium Dichlorisocyanurate	51580-86-0	<2

4. First aid measures

Eye contact:	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
Skin contact:	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.
Inhalation:	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.
Ingestion:	If Swallowed: Immediately call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting.
Symptoms	Most important symptoms and effects: 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.
Note to physician	Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media	Water. Water spray (fog). Dry chemical, Foam, Carbon dioxide (CO ₂)
Unsuitable Extinguishing Media	Not determined
Specific Hazards Arising from the Chemical	Product is not flammable. Product reacts exothermically with water
Hazardous combustion Products	None known
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	Use personal protective equipment as required
Environmental precautions:	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:

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

7. Handling and storage

Handling:	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.
Storage	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.
Incompatible Materials	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

Chemical name	ACGIH-TLV	OSHA PEL	NIOSH IDLH
Caustic Soda 1310-73-2	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Sodium metasilicate 6834-92-0	2 mg/m ³	3mg/m ³ 2 mg/m ³	

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	
Appearance	White Powder	
Color	White	
Property	Values	Remarks •Method
pH	-13.8	(1% solution)
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not applicable	
Flash Point	Not applicable	
Evaporation Rate	Not Applicable	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Not applicable	
Vapor Density	Not applicable	
Specific Gravity	Not available	
Water Solubility	Completely soluble-	Dissolving product in water liberates much heat
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not available	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

10. Stability reactivity

Stability	Not reactive under normal conditions
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous reactions	Dissolving product in water liberates much heat
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions of Avoid	Excessive heat. Avoid direct sunlight. Avoid moisture
Incompatible Materials	Strong mineral acids. Strong acids. Chemically reactive metals such as aluminum and magnesium. Dissolving product in water liberates much heat.
Hazardous Decomposition Products	None known based on information supplied

11. Toxicological information

Information on likely routes of exposure:

Eye Contact	Causes severe eye damage
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Skin Contact Causes severe skin burns
Inhalation Harmful if inhaled
Ingestion Harmful if swallowed

Component Information:

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC 50
Caustic Soda 1310-73-2	-	= 1350 mg/kg (Rabbit)	-
Sodium metasilicate 6834-92-0	= 600 mg/kg (Rat)	-	-
Water 7732-18-5	>90 mL/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 This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

STOT – single exposure May cause respiratory irritation

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
Caustic Soda 1310-73-2		45.4: 96 h Oncorhynchus Mykiss mg/L LC50 Static		
Sodium metasilicate 6834-92-0		210: 96 h Brachydanio rerio mg/L LC50 semi-stic 210: 96 h Brachydanio rerio mg/L LC50		216: 96 h Daphnia magna mg/L EC50

Persistence/Degradability: Not determined

Bioaccumulation: Not Determined

Mobility: Not determined

Other Adverse Effects: Not determined

13. Disposal considerations

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations

California Hazardous Waste Status:

Chemical Name	California Hazardous Waste Status
Caustic Soda 1310-73-2	Toxic Corrosive

Refer to Section 7: Handling and Storage and Section 8: Exposure Controls/Personal Protection for additional handling information and protection of employees.

14. Transport information

Note: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

Regulatory Information	UN number	Proper shipping name	Class	PG*	Personal Protection
DOT Classification	UN1759	Corrosive Solids, N.O.S., (Sodium Hydroxide, Sodium metasilicate)	8	II	C

*PG: Packing group

15. Regulatory information

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

California State Regulations

U.S. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

California Right to Know Act regulations (SB 258)

Chemical Name	CAS No,	Function	List(s)
Sodium Hydroxide	1310-73-2	Cleaning Agent	20
Sodium Metasilicate Anhydrous	6834-92-0	Corrosion Inhibitor	N/A
Sodium Dichloro-S-Trazinetriene Dihydrate	51580-86-0	Cleaning Agent	N/A

16. Other information

HMS	Health Hazards	Flammability	Reactivity	Personal Protection
	3	0	1	C

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 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