

SAFETY DATA SHEET

SealBoss 2400 B Salt
February 22, 2017

SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Product ID: SealBoss 2400 B Salt
Product Name: SealBoss 2400 B Salt
Revision Date: February 22, 2017 **Date Printed:** March 21, 2017
Version: 1.0 **Supersedes Date:** N.A.
Supplier Name: SealBoss Corp.
Address: 1669 E. Wilshire Ave. Santa Ana, CA USA 92705
Emergency Phone: ChemTel 1-800-255-3924, OR International: +01-813-248-0585
Information Phone: 1-714-662-4445
Fax: 1-714-662-4446
Product/Recommended Uses: For Further Information, Refer to the Product Technical Data Sheet.

SECTION 2) HAZARDS IDENTIFICATION

Classification:

Specific Target Organ Toxicity -Single Exposure - Category 3
 Skin Irritation - Category 2
 Eye Irritation - Category 2B
 Respiratory Sensitizer - Category 1
 Skin Sensitizer - Category 1
 Carcinogenicity - Category 2
 Acute toxicity, Oral - Category 4

Pictograms:



Signal Word:

Danger

Hazardous Statements

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
 H335 - May cause respiratory irritation
 H320 - Causes eye irritation
 H315 - Causes skin irritation
 H317 - May cause an allergic skin reaction
 H302 - Harmful if swallowed
 H272 - May intensify fire; oxidizer

Precautionary Statements - Prevention:

- P261 - Avoid breathing dust.
- P285 - In case of inadequate ventilation wear respiratory protection
- P271 - Use only outdoors or in a well-ventilated area
- P280 - Wear protective gloves/ protective clothing
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P220 - Keep/Store away from clothing/combustible materials
- P221 - Take any precaution to avoid mixing with combustibles

Precautionary Statements - Response:

- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337 + P313 - If eye irritation persists: Get medical advice/ attention
- P302 + P352 - IF ON SKIN: Wash with plenty of water.
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
- P304 + P341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing
- P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor
- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
- P330 - Rinse mouth
- P370 + P378 - In case of fire: Use water for extinction

Precautionary Statements - Storage:

- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information Risk of decomposition by heat or by contact with incompatible materials

Unknown acute toxicity

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

SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

Formula:	Na ₂ O ₈ S ₂ and Na ₂ S ₂ O ₈	
CAS	Chemical Name	% by Weight
7775-27-1	Sodium Persulfate	>99

SECTION 4) FIRST-AID MEASURES

General Advice:

Remove from exposure, lie down. Show this material safety data sheet to the doctor in attendance.

Inhalation:

Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

Skin Contact:

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if irritation develops and persists.

Eye Contact:

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids intermittently. Consult a physician. If symptoms persist, call a physician.

Ingestion:

Do NOT induce vomiting. Call a physician or poison control center immediately. Rinse mouth. Drink 1 or 2 glasses of water.

Most important symptoms and effect, both acute and delayed:

Itching; redness; Coughing and/or wheezing.

Indication of immediate medical attention and special treatment needed, if necessary:

Treat symptomatically.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:

Water. Cool containers with flooding quantities of water until well after fire is out.

Unsuitable Extinguishing Media:

Do not use carbon dioxide or other gas filled fire extinguishers; they will have little effect on decomposing persulfate.

Specific Hazards Arising from the Chemical:

Decomposes under fire conditions to release oxygen that intensifies the fire.

Explosion Data:

Sensitivity to Mechanical Impact	Not sensitive
Sensitivity to Static Discharge	Not sensitive

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.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Keep off any unprotected persons. Avoid contact with the skin and the eyes. Avoid breathing dust. Wear personal protective equipment.

Other:

Never add other substances or combustible waste to product residues.

Environmental Precautions:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods for Containment:

Prevent material from entering into soil, ditches, sewers, waterways, and/or groundwater. See Section 12, Ecological Information for more detailed information.

Methods for Cleaning Up:

Clean up spill area and treat as special waste. Dispose of waste as indicated in Section 13.

SECTION 7) HANDLING AND STORAGE

Handling:

Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Avoid dust formation. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Avoid contact with skin and eyes. Avoid breathing dust. Remove and wash contaminated clothing before re-use. Reference to other sections.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Do not store near combustible materials. Avoid contamination of opened product. Keep away from food, drink and animal feedingstuffs. Avoid formation and deposition of dust.

Incompatible Products:

Acids, alkalis, halides (fluorides, chlorides, bromides), combustible materials, reducing agents and organic compounds.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines:

Chemical name Sodium Persulfate 7775-27-1	ACGIH TLV TWA: 0.1 mg/m ₃	OSHA PEL ---	NIOSH ---	Mexico ---
Chemical name Sodium Persulfate 7775-27-1	British Columbia TWA: 0.1 mg/m ₃	Quebec ---	Ontario TWAEV TWA: 0.1 mg/m ₃	Alberta TWA: 0.1 mg/m ₃

Appropriate Engineering Controls

Provide local exhaust or general ventilation adequate to maintain exposures below permissible exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection:

Eye protection recommended. Chemical goggles consistent with EN 166 or equivalent.

Skin and Body Protection:

Wear long-sleeved shirt, long pants, socks, and shoes.

Hand Protection:

Protective gloves: Neoprene gloves, Polyvinylchloride, Natural Rubber.

Respiratory Protection:

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn: particulate filtering facepiece respirators.

Hygiene measures:

Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash hands before breaks and after shifts. Keep work clothes separate, remove contaminated clothing - launder after open handling of product.

General information

Protective engineering solutions should be implemented and in use before personal protective equipment is considered.

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance Crystalline solid
Physical State Solid
Color White
Odor odorless
Odor threshold Not applicable
pH 6.0 (1% solution)
Melting point/freezing point Not applicable 180 °C (Decomposes)
Boiling Point/Range Decomposes upon heating
Flash point Not flammable
Evaporation Rate Not applicable
Flammability (solid, gas) Not flammable
Flammability Limit in Air Not applicable
Upper flammability limit: No information available
Lower flammability limit: No information available
Vapor pressure 6.07E-30 mm Hg at 25°C
Vapor density No information available
Density 2.59 g/cm³ (crystal density)
Specific gravity No information available
Water solubility 575 g/l @ 25 °C
Solubility in other solvents No information available
Partition coefficient No information available
Autoignition temperature No information available
Decomposition temperature > 100 °C (assume)
Viscosity, kinematic No information available (Solid)
Viscosity, dynamic No information available
Explosive properties Not explosive
Oxidizing properties oxidizer
Molecular weight 238.1
VOC content (%) Not applicable
Bulk density 1.12 g/cm³ (loose)

SECTION 10) STABILITY AND REACTIVITY

Reactivity:

Oxidizer. Contact with other material may cause fire Strong oxidizer.

Chemical Stability:

Stable.

Possibility of Hazardous Reactions:

None under normal processing.

Hazardous Polymerization:

Hazardous polymerization does not occur.

Conditions to Avoid:

Heat Moisture.

Incompatible Materials:

Acids, alkalis, halides (fluorides, chlorides, bromides), combustible materials, reducing agents and organic compounds.

Hazardous Decomposition Products:

Oxygen which supports combustion.

SECTION 11) TOXICOLOGICAL INFORMATION

Product Information:

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

LD50 Oral Sodium Persulfate: 895 mg/kg (rat) CAB-O-SIL: >5,000 mg/kg (rat) 895

LD50 Dermal Sodium Persulfate: > 10,000 10 g/kg

LC50 Inhalation Sodium Persulfate: >5.10 mg/L (4h) (rat) CAB-O-SIL: >2.08 mg/L (4h) (rat) 5.1

Serious eye damage/eye irritation Irritating to eyes.

Skin corrosion/irritation Irritating to skin.

Sensitization Sodium Persulfate: May cause sensitization by inhalation and skin contact.

Information on toxicological effects:**Symptoms**

Symptoms of allergic reaction may include rash, itching, swelling and trouble breathing.

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

Irritating to eyes, respiratory system and skin.

Corrosivity:

None.

Carcinogenicity:

Suspected of causing cancer.

Mutagenicity:

Did not show mutagenic effects in animal experiments.

Neurological Effects:

Not neurotoxic.

Reproductive Toxicity:

This product is not recognized as reprotox by Research Agencies.

Developmental Toxicity:

None known.

Teratogenicity:

Not Teratogenic in animal studies.

Specific Target Organ Toxicity - Single Exposure:

May cause respiratory irritation.

Specific Target Organ Toxicity - Repeated Exposure:

Not classified.

Aspiration Hazard:

No data available

Target Organ Effects:

Eyes. Lungs.

SECTION 12) ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects

Sodium Persulfate (7775-27-1)

Active Ingredient(s)	Duration	Species	Value	Units
Sodium Persulfate	96 h LC50	Rainbow trout	163	mg/L
Sodium Persulfate	48 h LC50	Daphnia magna	133	mg/L
Sodium Persulfate	96 h LC50	Grass shrimp	519	mg/L
Sodium Persulfate	72 h EC50	Algae Selenastrum capricornutum	116	mg/L

Persistence and Degradability:

Biodegradability does not pertain to inorganic substances.

Bioaccumulation:

Does not bioaccumulate.

Mobility:

Dissociates into ions.

Other Adverse Effects:

None known.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal:

This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

US EPA Waste Number:

D001

Contaminated Packaging:

Empty remaining contents. Dispose of in accordance with local regulations

SECTION 14) TRANSPORT INFORMATION

DOT:

UN/ID no UN 1505
 Proper Shipping Name SODIUM PERSULFATE
 Hazard class 5.1
 Packing Group III

TDG:

UN/ID no UN 1505
 Proper Shipping Name SODIUM PERSULFATE
 Hazard class 5.1
 Packing Group III

MEX:

UN/ID no UN 1505
 Proper Shipping Name SODIUM PERSULFATE
 Hazard class 5.1
 Packing Group III

ICAO/IATA:

UN/ID no UN 1505
 Proper Shipping Name SODIUM PERSULFATE
 Hazard class 5.1
 Packing Group III

IMDG/IMO:
UN/ID no UN 1505
Proper Shipping Name SODIUM PERSULFATE
Hazard class 5.1
Packing Group III

ADR/RID:
UN/ID no UN 1505
Proper Shipping Name SODIUM PERSULFATE
Hazard class 5.1
Packing Group III
Hazard class 5.1
Packing Group III

SECTION 15) REGULATORY INFORMATION

U.S. 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:

Acute health hazard	Yes
Chronic health hazard	NO
Fire hazard	Yes
Sudden release of pressure hazard	NO
Reactive Hazard	NO

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.

International Inventories:

Component	TSCA (United States)	DSL (Canada)	EINECS/EL INCS (Europe)	ENCS (Japan)	IECSC (China)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)	NZIOC (New Zealand)
Sodium Persulfate 7775-27-1 (> 99)	X	X	X	X	X	X	X	X	X

Mexico - Grade Slight risk, Grade 1

CANADA

WHMIS Hazard Class C - Oxidizing materials
 D2A - Very toxic materials
 D2B - Toxic materials



SECTION 16) OTHER INFORMATION

NFPA HMIS	Health Hazards 1 Health Hazards 1	Flammability 0 Flammability 0	Stability 1 Physical hazard 1	Special Hazards OX Special precautions J
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NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0
Protection=J (Safety goggles, gloves, apron, combination dust and vapor respirator)

DISCLAIMER

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