

SAFETY DATA SHEET

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

Section 1 - Product & Company Identification

Product identifier

Product name: OLD BALDY

Product form: Powder

Other means of identification: LB599

Relevant identified uses of the substance or mixture: Scalding agent

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

Section 2 – Hazards Identification

Classification

Corrosive to metals Category 1

Acute toxicity, oral Category 5

Skin corrosion/irritation Category 1B

Serious eye damage/Irritation Category 1

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

Pictogram



Signal Word

Danger

Hazard Statements

May be corrosive to metals.

May be harmful if swallowed.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

Precautionary Statements – Prevention

Keep in original container.

Avoid breathing dusts/mists/vapors/spray.

Wash face, hands and any exposed skin thoroughly after handling

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

Precautionary Statements – Response Absorb spillage to prevent material damage.

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 and wash before reuse. Wash with plenty of soap and water. If irritation occurs get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.

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

Precautionary Statements – Storage

Store in corrosive resistant containers. 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.

Section 3 –Composition/Information on ingredients

Mixture

Name	CAS No	Weight %
Sodium metasilicate	6834-92-0	80-90
Benzenesulfonic acid, Mono-C10-16-alkyl Derivs. Sodium salts	68081-81-2	1-10
Sodium sulfate	7757-82-6	1-5

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

Section 4 – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. Immediately call a POISON CENTER or doctor/physician.

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

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing, wash victim with plenty of water. If irritation occurs get medical advice/attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

Carbon oxides, gases hazardous to health may be formed.

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.

Section 6 –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading.

Methods for Cleaning Up: Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Keep in suitable, closed containers for disposal.

Section 7 – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Do not breathe mist or vapor. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not taste or swallow. Do not get this material on clothing. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store locked up. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 – Exposure Controls/ Personal Protection

Exposure Guidelines

No exposure limits noted for ingredients.

Appropriate Engineering Controls

Engineering Controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

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 chemical resistant clothing.

Respiratory Protection: Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

Section 9 – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Color	White
<u>Property</u>	<u>Values</u>
pH	12-13.25
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	No data available
Flash Point	None
Flammability (Solid, Gas)	n/a-liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	No data available
Water Solubility	Soluble
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	Not an oxidizer
Odor	None
Odor Threshold	Not Determined

Section 10 – Stability & Reactivity

Reactivity

May react with strong acids and oxidizing agents.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

No dangerous reaction known under conditions of normal use.

Conditions to Avoid

Avoid contact with incompatible materials.

Incompatible Materials

Strong acids, oxidizing agents.

Hazardous Decomposition Products

Carbon oxides.

Section 11 - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: May cause respiratory irritation.

Eye Contact: Causes serious eye damage.

Skin Contact: Causes severe skin burns.

Ingestion: May be 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 metasilicate	6834-92-0	1152-1349 mg/kg (Rat)	No data available	No data available
Benzenesulfonic acid, Mono-C10-16-alkyl Derivs. Sodium salts	68081-81-2	1080 mg/kg (Rat)	>2,000 mg/kg (Rat)	No data available
Sodium sulfate	7757-82-6	>2,000 mg/kg (Rat)	No data available	>2.4 mg/l, 4 h (Rat)

Chemical Name	Sodium metasilicate	Benzenesulfonic acid, Mono-C10-16-alkyl Derivs Sodium salts	Sodium sulfate
Skin corrosion/irritation	corrosive	Skin irritation	irritation
Serious eye damage/irritation	Serious eye damage	Serious eye damage	Serious eye damage
Respiratory or skin sensitization	Not a sensitizer	Not a sensitizer	Not a sensitizer
Mutagenicity	Negative results	Not mutagenic	Not mutagenic
Carcinogenicity	Not classified as carcinogen	Not classified as carcinogen	Not classified as carcinogen
Reproductive toxicity	No data available	Not expected to cause.	Not expected to cause.
Specific target organ toxicity-Single exposure	Narcotic effects.	Not classified	Not classified
Specific target organ toxicity-repeated exposure	No data available	Not classified	Not classified
Aspiration hazard	No data available	Not a hazard.	Not a hazard.

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

Section 12 - Ecological information

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

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Sodium metasilicate	6834-92-0	No data available	LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h	No data available
Benzenesulfonic acid, Mono-C10-16-alkyl Derivs. Sodium salts	68081-81-2	EC50-Algae, 29 mg/l, 96 h	LC50 Bluegill (Lepomis macrochirus) 1.67 mg/l, 96 hours	EC50-Daphnia, 2.9 mg/l, 48 h
Sodium sulfate	7757-82-6	No data available	LC50 Fathead minnow (pimephales promelas) 7960 mg/kg, 96 hours	EC50-Daphnia, 1766 mg/l, 48 h

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section 13 - Disposal considerations

Waste Disposal Method

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.

Section 14 - Transport information

DOT Proper Shipping Description:

Bulk & Non-Bulk: UN3262, Corrosive solids, basic, inorganic, N.O.S., Sodium metasilicate) 8, PG II

Section 15 - Regulatory information

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

SARA Title III Section 313 (40CFR372): This product does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372

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 chemicals currently listed as carcinogens or reproductive toxins.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium metasilicate	X	Not listed	X
Benzenesulfonic acid, Mono-C10-16-alkyl Derivs., Sodium salts	Not listed	Not listed	Not listed
Sodium sulfate	Not listed	X	X

Section 16 - Other information

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

Indication of changes: Revision – 1

Date Sheet Prepared: 07/21/2020 Other information: Author – EHS Administrator

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.

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END OF SDS