

Safety Data Sheet

Section 1 - Product and Company Identification

Product Name: LAKELAND B-5300



Telephone Numbers
 During normal business hours call: (262) 781-1350
 Transportation Emergency Call Chemtrec: (800) 424-9300

W140 N5090 Lilly Road
 Menomonee Falls, WI 53051
 (262) 781-1350

Product Use: This product is manufactured for Commercial/Industrial use.
 Not recommended for: Household use.

Section 2 - Hazards Identification

GHS Ratings:

Skin corrosive Eye corrosive Respiratory sensitizer Skin sensitizer	1A 1 1 1	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5 Respiratory sensitizer Skin sensitizer
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GHS Hazards

H314 H317 H318 H334	Causes severe skin burns and eye damage May cause an allergic skin reaction Causes serious eye damage May cause allergy or asthma symptoms or breathing difficulties if inhaled
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GHS Precautions

P261 P264 P281 P285 P312 P321 P363 P301+P330+P331 P302+P352 P303+P361+P353 P304+P340 P304+P341	Avoid breathing dust/fume/gas/mist/vapours/spray Wash ... thoroughly after handling. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection Call a POISON CENTER or doctor/physician if feeling unwell. Specific treatment (see ... on this label) Wash contaminated clothing before reuse IF SWALLOWED: Rinse mouth. Do NOT induce vomiting IF ON SKIN: Wash with soap and water IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
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P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P308+P313	If exposed or concerned: Get medical advice/attention
P501	Dispose of contents/container to ...

Danger



Section 3 - Composition

Chemical Name	CAS No.	Percent by Wt.	Other
Sodium Bisulfite	7631-90-5	24- 26	---
Sodium Hydroxide	1310-73-2	1-3	---

Section 4 - First Aid Measures

Inhalation:

Remove from further exposure. For those providing assistance, avoid exposure to yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while getting immediate medical aid.

Eye Contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.

Skin Contact:

In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

Ingestion:

If conscious, give 2 to 3 glasses of water. Do not induce vomiting and seek medical attention immediately.

Notes to Physician:

No data found.

Section 5 - Fire Fighting Measures

LEL: N/A

UEL: N/A

Flammable Classification:

Non Flammable

Suitable Extinguishing Media:

Water fog, Alcohol foam, Carbon Dioxide, Dry Chemical

Unusual Fire or Explosion Hazards:

None known, other than material can spatter above 100C/212F.

Hazardous Combustion Products:

Unknown but carbon monoxide may be released on burning.

Fire-Fighting Instructions:

Do not release run-off from fire control methods to sewers or waterways.

Fire Fighting:

If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

Fire Fighting:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

Section 6 - Accidental Release Measures
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Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk, stay upwind, and avoid run off to waterways and sewers.

SMALL SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Dike to collect large liquid spills, collect leaking liquid in sealable compatible containers.

ACID SPILLS: Neutralize with Soda Ash, (Sodium Carbonate) Hydrated Lime, (Calcium Hydroxide) or Baking Soda (Sodium Bicarbonate). Cautiously neutralize remainder. Then wash away with plenty of water.

Section 7 - Handling and Storage

Handling Precautions: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containment closed when not in use. Do not handle or store material near heat, sparks, or open flames, or other sources of ignition.

Storage: Prevent from freezing. Store at room temperatures, i.e., 40 to 95 F (4 to 35 C)

Regulatory Requirements: Store materials according to all local, state and federal guidelines.

Section 8 - Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Sodium Bisulfite 7631-90-5		5 mg/m ³ TWA	NIOSH: 5 mg/m ³ TWA
Sodium Hydroxide 1310-73-2	2 mg/m ³ TWA	2 mg/m ³ Ceiling	NIOSH: 2 mg/m ³ Ceiling

Engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

Ventilation Control: Provide adequate ventilation to control airborne concentration below the exposure guidelines/limits PELs (Sec 2). Seek professional advise prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for the given working conditions, level of airborne contamination and sufficient oxygen. If respirators are used, OSHA requires a written respiratory protection program that includes at least, medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning and convenient, sanitary storage areas.

Personal Protective Equipment: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard Assessment of all workplaces to determine the need for proper protective equipment for each employee. At a minimum, wear safety galsges with side shields as well as chemically protective gloves and aprons to prevent prolonged or repeated skin contact.

Eye Protection: Normal industrial eye protection practices should be employed. Wear protective eye glasses or chemical safety goggles, per OSHA face and eye protection regulations (29 CFR 1910.133). Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Contaminated Equipment: Dispose of the waste in compliance with federal, state, regional, and local regulations. Wash any contaminated clothing before reuse. Remove this material from your shoes and clean protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smopking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Melting point: NIA Solubility: Complete Flash point: NIA Flammability: Non Flammable Odor: Sulfur Vapor Pressure: Same as water Vapor Density: Same as Water Explosive Limits: 0% Autoignition temperature: NIA Viscosity: NIA	Freezing point: Approximately 32F Boiling range: 100°C Evaporation rate: 1.00 Appearance: Light Amber color Physical State: Liquid Odor threshold: NIA Decomposition temperature: NIA Density: 1.204
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Section 10 - Stability and Reactivity

Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions. However, avoid temperature extremes.

Chemical Incompatibilities: Avoid contact with Strong Acids, Strong Alkalies, Oxidizers or any other reactive material.

Hazardous Decomposition Products: There are no known hazardous decomposition products for this material unless the material is burned in which case undetermined evolution of toxic gases may occur.

Conditions to Avoid: Excessive temperature, contact with reactive chemicals.

Hazardous Polymerization: Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Component Toxicity	CAS No:	LD50 of ingredient	LD50 Dermal of Ingredient
Sodium Hydroxide	1310-73-2	500mg/kg Oral Rabbit	500mg/kg/24hr Adult Rabbit-Severe Irritation
Sodium Bisulfite	7631-90-5	2000mg/kg - Rat	Slight Irritant/severe eye irritation

Mixture Toxicity: N/D

Routes of entry: Absorbed through skin, Dermal Contact, Eye Contact, Inhalation

Eye Effects: Irritation to the eyes & possible burning if the materials are not immediately rinsed from the eye.

Acute Inhalation Effects: Might produce irritation to the respiratory system.

Skin Effects: Irritation to skin.

Target Organ Statement: No studies have been conducted for the specific product blend.

Carcinogenicity: IARC, NTP, and OSHA do not list this product or its components as a carcinogen.

Effects of Overexposure: Skin: Causes skin Irritation. Eyes: May cause eye irritation. Inhalation: Can cause respiratory tract irritation with cough, wheezing, an shortness of breath. It can produce hypersensitivity reactions in some sensitized individuals.

Section 12 - Ecological Information

Ecotoxicity:

No data available for this specific product.

Component Ecotoxicity	CAS No:	LC:50	EC:50
Sodium Bisulfite	7631-90-5	119mg/48hr Daphnia Magna	Not Available
Sodium Hydroxide	1310-73-2	25ppm 24hr Brook Trout	100 ppm Daphnia Magna

Section 13 - Disposal

Disposal Instructions:

Refer to the latest federal, state, and local regulations regarding proper disposal. Triple rinse the empty containers with water before disposal for reconditioning, land fill or garbage.

Section 14 - Transportation Information

The following is for US DOT Highway transportation. Other modes/jurisdictions may have different classifications.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
US DOT	Bisulfites Aqueous Solutions N.O.S. (Sodium Bisulfite)	UN2693	III	8

Section 15 - Regulatory Information

This listing is to highlight federal level regulation of the product. Individual states, and other nations may have further regulations not listed below.

US DOT List of Marine Pollutants (172.101 - Appendix B)
- None

US DOT List of Hazardous Substances and Reportable Quantities (172.101 Appendix A)
1310-73-2 Sodium Hydroxide 2 %
7631-90-5 Sodium Bisulfite 25 %

US DOT List of Severe Marine Pollutants (172.101 - Appendix B)
- None

SARA Section 302 Extremely Hazardous Substances (40 CFR 355):
- None

Sara Section 302 Threshold Planning Quantity.
- None

SARA Section 313, Toxic Chemicals (40 CFR 372.65):
- None

SARA Reportable Quantity.

1310-73-2 Sodium Hydroxide 2 %
7631-90-5 Sodium Bisulfite 25 %

Toxic Substances Control Act (TSCA):

All components are listed or exempt from the Toxic Substances Control Act except those listed below.

- None

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 (SARA):

This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

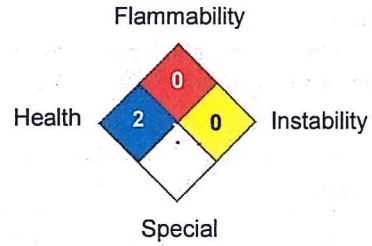
Section 16 - Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	J

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH



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Reviewer Revision

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