

SAFETY DATA SHEET



1. IDENTIFICATION

Product identifier

Product Name Dry Step Bircarb Granulated Floor Treatment

Other means of identification

Synonyms Granulated Bicarb floor treatment

Recommended use of the chemical and restrictions on use

Recommended use Improves anti-slip floor treatment

Distributor Address

Best Sanitizers, Inc.
PO Box 1360
Penn Valley, CA 95946
Toll Free: 888-225-3267

Emergency telephone number

Emergency Phone Numbers For Transportation Emergencies,
call Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Physical hazards | |
|-------------------------------------|-------------|
| Serious eye damage / eye irritation | Category 2B |
| Health hazards | |
| None | |
| Environmental hazards | |
| None | |

Signal word Warning

Hazard statements
Causes eye irritation.

Appearance Granuels

Physical State Solid

Odor Odorless

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.

Precautionary Statements - Response

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

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not Applicable

Other Information

*May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight % | |
|--|-------------|----------|--|
| Sodium bicarbonate | 144-55-8 | >99.5 | |
| Tetradecyl dimethyl benzyl ammonium chloride | 139-08-2 | <0.5 | |
| Trade Secret 1 | Proprietary | <0.007 | |
| Trade Secret 2 | Proprietary | <0.007 | |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Eye Contact

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after first 5 minutes, then continue rinsing eye(s). Immediately get medical advice/attention.

Skin Contact

Wash off immediately with soap and plenty of water. Wash contaminated clothing and shoes before reuse. Get medical attention if irritation develops and persists.

Inhalation

Move to fresh air. Administer oxygen if breathing is difficult. Call a physician immediately.

Ingestion

Do **NOT** induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects

See section 11 for symptom information.

Indication of any immediate medical attention and special treatment needed

Note to physicians

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, water spray, carbon dioxide (CO₂), foam.

Specific Hazards Arising from the Chemical

No Information available.

Unsuitable extinguishing media

No information available

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

Hazardous combustion products Carbon Monoxide. Carbon dioxide. (CO₂). Nitrogen oxides (NO_x).

Explosion Date

Sensitivity to Mechanical Impact None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

If necessary, use trained response staff or contractor. Wear protective eyewear, gloves, and clothing. Refer to Section 8. Clean up spills immediately observing precautions. Always obey local regulations.

Personal Precautions Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

For emergency responders Isolate area. Keep unnecessary personnel away.

Environment Precautions

Environmental Precautions See section 12 for additional ecological information. Prevent entry into waterways, sewers, or confined areas.

Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for containment | Prevent further leakage or spillage if safe to do so. |
| Methods for Cleaning up | Seep up and hovel into suitable containers for disposal. Following product recovery, flush area with water. |

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Do not allow water to get into container.

Incompatible materials

Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

| | |
|-----------------------------|--|
| Engineering Measures | Showers Eyewash stations Ventilation systems |
|-----------------------------|--|

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------|---|
| Eye/Face Protection | Tight sealing safety goggles. |
| Skin and Body Protection | Wear protective Neoprene™ gloves. Rubber gloves Normal work clothing (long sleeved shirt and long pants) is recommended. |
| Respiratory Protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| Hygiene Measures | Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do no Eat, Drink or Smoke when using this product. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | | | |
|--------------------------------------|----------------------|-------------------------------|--------------------------|
| Physical State | Solid | Odor | Odorless |
| Appearance | Granules | Odor Threshold | No information available |
| Color | White | Remarks/ Method | |
| <u>Property</u> | <u>Values</u> | <u>Remarks/ Method</u> | |
| pH | 8 | (2% solution) | |
| Melting/freezing point | Not determined | None known | |
| Boiling point / boiling range | Not determined | None known | |
| Flash Point | No data available | None known | |
| Evaporation rate | No data available | None known | |
| Flammability (solid, gas) | No data available | None known | |
| Flammability Limits in Air | | | |
| Upper flammability limit | No data available | None known | |
| Lower flammability limit | No data available | None known | |
| Vapor pressure | No data available | None known | |
| Vapor density | Not determined | None known | |
| Bulk density | 1.1 g/cc | None known | |
| Water Solubility | Soluble in water | None known | |
| Partition coefficient | No data available | None known | |
| Autoignition temperature | No data available | None known | |
| Decomposition temperature | No data available | None known | |
| Kinematic viscosity | No data available | None known | |
| Dynamic viscosity | No data available | None known | |
| Explosive properties | No data available | None known | |
| Oxidizing proerties | No data available | None known | |

10. STABILITY AND REACTIVITY

Reactivity

No Data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

None known.

Incompatible materials

Acids

Hazardous Decomposition Products

Carbon Monoxide. Carbon Dioxide (CO₂). Nitrogen Oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| Product Information | |
|---------------------|--|
| Inhalation | Inhalation of dust in high concentration may cause irritation of respiratory system. |
| Eye Contact | Irritating to eyes. |
| Skin Contact | Prolonged contact may cause irritation. |
| Ingestion | Harmful if swallowed. Aspiration may cause pulmonary edema pneumonitis. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------------|-------------------|-------------|-----------------|
| Sodium bicarbonate 144-55-8 | = 4220mg/kg (Rat) | - | - |
| Trade Secret 2 | =400mg/kg (Rat) | - | - |

| Information on toxicological effects | |
|--|---|
| Symptoms | No Information Available |
| <u>Delayed and immediate effects as well as chronic effects from short and long-term exposure</u> | |
| Sensitization: | No Information Available |
| Germ cell mutagenicity | No Information Available |
| Carcinogenicity | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP |
| Reproductive Toxicity | No Information Available |
| STOT single exposure | No Information Available |
| STOT repeated exposure | No Information Available |
| Aspiration Hazard | No Information Available |

Numerical measures of toxicity – Product Information

Unknow Acute Toxicity 0% of the mixture consists of ingredient(s) of unknow toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50 4228.0 mg/kg

12. ECOLOGICAL INFORMATION

0.2% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

| Chemical Name | Algae/Aquatic Plants | Fish | Crustacea |
|--------------------------------|--|---|--------------------------------------|
| Sodium bicarbonate 144-55-8 | 650: 120h Nitschia linearis mg/L EC50 | 8250-9000: 96 h Lepomis macrochirus mg/L LC50 Static | 2350: 48h Daphnia magna mg/L EC50 |

Persistence and Degradability

No information available

Bioaccumulation

No information available

Mobility in soil

Soluble in Water

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waster Treatment Methods

Disposal of wastes

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

Contaminated Packaging

Dispose of in accordance with all applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT

Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Complies

DSL/NDSL Complies

EINECS/ELINCS Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

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 | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

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).

CERCLA

This material, as supplied, does not contain any substance regulated substance under the Comprehensive Environment Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40CFR 355). There may be specific reporting Requirements at the local, regional or state level pertaining to releases of the material.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to Know Regulations

This product does not contain any substance regulated by the state right-to-know regulations.

U.S. EPA Label Information

EPA Pesticide Registration Number

Not Applicable

16. OTHER INFORMATION

| | | | | |
|-------------|---------------|--------------|------------------|--|
| <u>NFPA</u> | Health Hazard | Flammability | Instability | Physical and Chemical Properties |
| | 1 | 0 | 0 | None |
| <u>HMIS</u> | Health Hazard | Flammability | Physical Hazards | Personal Protection |
| | 1 | 0 | 0 | E (Safety glasses, gloves, dust respirators) |

Prepared by: Technical Department

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General Disclaimer

The information provided in this 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 a 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

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