Safety Data Sheet
acc. to OSHA HCS

1 Identification

- Product identifier
- Trade name: Bism Dry Bleach -No Handles
- Article number: 4737
- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier: BLIND INDUSTRIES & SERVICES OF MARYLAND CORP., 3345 WASHINGTON BLVD., BALTIMORE, MD 21804 TELEPHONE: 410-737-2600
  - Information department: Product safety department
  - Emergency telephone number: INFO TRAC 800-535-5053

2 Hazard(s) identification

- Classification of the substance or mixture
  - GHS09 Environment
    - Aquatic Acute 1 H400 Very toxic to aquatic life.
    - Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
  - GHS07
    - Acute Tox. 4 H302 Harmful if swallowed.
    - Eye Irrit. 2A H319 Causes serious eye irritation.
    - STOT SE 3 H335 May cause respiratory irritation.

- Label elements
- GHS label elements
  - The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms
  - GHS07
  - GHS09

- Signal word Warning
- Hazard statements
  - Harmful if swallowed.
  - Causes serious eye irritation.
  - May cause respiratory irritation.
  - Very toxic to aquatic life.
  - Very toxic to aquatic life with long lasting effects.
- Precautionary statements
  - If medical advice is needed, have product container or label at hand.

(Contd. on page 2)
Trade name: **Bism Dry Bleach -No Handles**

Keep out of reach of children.
Read label before use.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear eye protection / face protection.
Avoid release to the environment.
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed: Call a poison center/doctor if you feel unwell.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
If eye irritation persists: Get medical advice/attention.
Rinse mouth.
Collect spillage.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**
  - NFPA ratings (scale 0 - 4)
    
    ![NFPA ratings](image)
    
    Health = 1  
    Fire = 0  
    Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

![HMIS-ratings](image)

- Other hazards
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

#### Components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Prop.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>51580-86-0 troclosene sodium, dihydrate</td>
<td></td>
</tr>
<tr>
<td>497-19-8 Disodium carbonate</td>
<td></td>
</tr>
<tr>
<td>1344-09-8 Silicic acid, sodium salt</td>
<td></td>
</tr>
</tbody>
</table>
4 First-aid measures

- Description of first aid measures
  - General information:
    Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Generally the product does not irritate the skin.
  - After eye contact:
    Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing: Immediately call a doctor.
  - Information for doctor:
    - Most important symptoms and effects, both acute and delayed
      No further relevant information available.
    - Indication of any immediate medical attention and special treatment needed
      No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents:
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture
    During heating or in case of fire poisonous gases are produced.
- Advice for firefighters
  - Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  - Mount respiratory protective device.
- Environmental precautions:
  - Do not allow product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage into water course or sewage system.
  - Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
  - Dispose contaminated material as waste according to item 13.
  - Ensure adequate ventilation.
- Reference to other sections
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

7 Handling and storage

- Handling:
  - Precautions for safe handling Prevent formation of dust.
8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.

- Control parameters

- Components with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: The lists that were valid during the creation were used as basis.

- Exposure controls

- Personal protective equipment:

  - General protective and hygienic measures:
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Avoid contact with the eyes.
    Avoid contact with the eyes and skin.

  - Breathing equipment:
    In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

  - Protection of hands:
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

  - Material of gloves
    The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

  - Penetration time of glove material
    The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:**
    - **Form:** Powder
    - **Color:** White
  - **Odor:** Chlorine-like
  - **Odour threshold:** Not determined.
  - **pH-value at 20 °C (68 °F):** 9
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** Undetermined.
  - **Flash point:** Not applicable.
  - **Flammability (solid, gaseous):** Not determined.
  - **Ignition temperature:** 250 °C (482 °F)
  - **Decomposition temperature:** Not determined.
  - **Auto igniting:** Product is not selfigniting.
  - **Danger of explosion:** Product does not present an explosion hazard.
  - **Explosion limits:**
    - **Lower:** Not determined.
    - **Upper:** Not determined.
  - **Vapor pressure:** Not applicable.
  - **Density at 20 °C (68 °F):** 1 g/cm³ (8.345 lbs/gal)
  - **Relative density**
  - **Vapour density** Not applicable.
  - **Evaporation rate** Not applicable.
  - **Solubility in / Miscibility with**
    - **Water:** Soluble.
  - **Partition coefficient (n-octanol/water):** Not determined.
  - **Viscosity**
    - **Dynamic:** Not applicable.
    - **Kinematic:** Not applicable.
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10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions Contact with acids releases toxic gases.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - LD/LC50 values that are relevant for classification:
      
      | 51580-86-0 troclosene sodium, dihydrate |
      |----------------------------------------|
      | Oral LD50 1400 mg/kg (rat)             |
    
    - Primary irritant effect:
      - on the skin: No irritant effect.
      - on the eye: Irritating effect.
      - Sensitization: No sensitizing effects known.
    - Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant
    
- Carcinogenic categories
  - NTP (National Toxicology Program) None of the ingredients is listed.
  - OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability No further relevant information available.
  - Behavior in environmental systems:
  - Bioaccumulative potential No further relevant information available.
  - Mobility in soil No further relevant information available.
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- Ecotoxicological effects:
  - Remark: Very toxic for fish
- Additional ecological information:
  - General notes:
    - Water hazard class 2 (Self-assessment): hazardous for water
    - Do not allow product to reach ground water, water course or sewage system.
    - Danger to drinking water if even small quantities leak into the ground.
    - Also poisonous for fish and plankton in water bodies.
    - Very toxic for aquatic organisms
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
  - DOT: not regulated
  - IMDG, IATA: UN3077
- UN proper shipping name
  - DOT: not regulated
  - IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (troclosene sodium, dihydrate), MARINE POLLUTANT
  - IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (troclosene sodium, dihydrate)
- Transport hazard class(es)
  - DOT: not regulated
  - IMDG, IATA: 9 Miscellaneous dangerous substances and articles
Trade name: Bism Dry Bleach -No Handles

- **Label**: 9
- **Packing group**
  - DOT: not regulated
  - IMDG, IATA: III
- **Environmental hazards**: Product contains environmentally hazardous substances: troclosene sodium, dihydrate
- **Marine pollutant**: Yes
  - Symbol (fish and tree)
- **Special marking (IATA)**: Symbol (fish and tree)
- **Special precautions for user**
  - Warning: Miscellaneous dangerous substances and articles
- **Danger code (Kemler)**: 90
- **EMS Number**: F-A,S-F
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**: Not applicable.
- **Transport/Additional information**:
  - **IMDG**
  - **Limited quantities (LQ)**: 5 kg
  - **Excepted quantities (EQ)**
    - Code: E1
      - Maximum net quantity per inner packaging: 30 g
      - Maximum net quantity per outer packaging: 1000 g
  - **UN "Model Regulation"**: UN3077, Environmentally hazardous substances, solid, n.o.s. (troclosene sodium, dihydrate), 9, III

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
  - **Section 355 (extremely hazardous substances)**:
    - None of the ingredients is listed.
- **Proposition 65**
  - **Chemicals known to cause cancer**:
    - None of the ingredients is listed.
  - **Chemicals known to cause reproductive toxicity for females**:
    - None of the ingredients is listed.
  - **Chemicals known to cause reproductive toxicity for males**:
    - None of the ingredients is listed.
  - **Chemicals known to cause developmental toxicity**:
    - None of the ingredients is listed.
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- **Carcinogenic categories**
  - EPA (Environmental Protection Agency)
    None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH)
    None of the ingredients is listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.

- **GHS label elements**
  - The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**

- GHS07
- GHS09

- **Signal word** Warning
- **Hazard statements**
  Harmful if swallowed.
  Causes serious eye irritation.
  May cause respiratory irritation.
  Very toxic to aquatic life.
  Very toxic to aquatic life with long lasting effects.

- **Precautionary statements**
  If medical advice is needed, have product container or label at hand.
  Keep out of reach of children.
  Read label before use.
  Avoid breathing dust/fume/gas/mist/vapors/spray
  Wear eye protection / face protection.
  Avoid release to the environment.
  Wash thoroughly after handling.
  Do not eat, drink or smoke when using this product.
  Use only outdoors or in a well-ventilated area.
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  If swallowed: Call a poison center/doctor if you feel unwell.
  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  If eye irritation persists: Get medical advice/attention.
  Rinse mouth.
  Collect spillage.
  Store locked up.
  Store in a well-ventilated place. Keep container tightly closed.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS**: Environment protection department.
- **Contact**: Environmental Department
- **Date of preparation / last revision**: 04/16/2015 / -
- **Abbreviations and acronyms**:
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - ACGIH: American Conference of Governmental Industrial Hygienists
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - Acute Tox. 4: Acute toxicity, Hazard Category 4
  - Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
  - STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
  - Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
  - Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1