SAFETY DATA SHEET

Texas Correctional Industries
Texas Department of Criminal Justice

Date Issued: December 2020
Supersedes: September 2016

SECTION 1 - IDENTIFICATION

Product Name: Bippy
Recommended Use: Hard Surface Abrasive Cleaner
Manufacturer Name: Texas Correctional Industries
Roach Soap & Detergent Plant
15845 FM 164
Childress, TX 79201

Emergency Telephone Numbers
Texas Poison Center Network (TPCN): 1-800-222-1222
Roach Soap & Detergent Plant Lab: 940-937-6364 EXT. 7392
SDS available at: www.tci.tdcj.texas.gov
Monday thru Thursday: 5:30 AM – 3:30 PM

SECTION 2 - HAZARDS IDENTIFICATION

Primary Route of Exposure: Eyes, Skin, Oral, or Inhalation

Signs and Symptoms of Over Exposure (acute):
- Eyes: Corrosive to eyes; will cause eye irritation or injury
- Skin: Contact may cause irritation; avoid exposure
- Ingestion: May cause gastrointestinal irritation; Do not ingest this product.
- Inhalation: Do not inhale this product.

Signs and Symptoms of Over Exposure (chronic): Eye, skin, and respiratory tract irritation
Medical condition aggravated by over exposure: Not known
Carcinogen or suspect of carcinogen ingredients: None
Fire and Explosive Hazard: None

GHS Hazard and/or Precautionary Numbers: H302, H333, H227, H400, H410
SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical/Common Name</th>
<th>CAS No.</th>
<th>PERCENT</th>
<th>TWA</th>
<th>PEL</th>
<th>WHMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>80 - 87</td>
<td>1.5 mg/m³</td>
<td>15 mg/m³</td>
<td>N/A</td>
</tr>
<tr>
<td>Sodium Dichloroisocyanurate</td>
<td>51580-86-0</td>
<td>0.1 - 1.0</td>
<td>1.5 mg/m³</td>
<td>N/D</td>
<td>N/D</td>
</tr>
<tr>
<td>Benzene Sulfonic acid, mono-C₁₀₋₁₆-alkyl, sodium salt</td>
<td>68081-81-2</td>
<td>3 - 4</td>
<td>N/D</td>
<td>N/D</td>
<td>N/D</td>
</tr>
</tbody>
</table>

N/A= Not Applicable  N/D = Not Determined

*OSHA 29 CFR, Section 1910.1000 Subpart Z.
Threshold Limit Values (TLV): TWA (time-weighted average for 8 hr. day);
PEL (personal exposure limit)
WHMIS – minimum amount necessary in a mixture to trigger reporting: 1% (hazardous chemical); 0.1% (extremely hazardous chemical)

SECTION 4 - FIRST AID MEASURES

Eyes: Do not get in your eyes. Flush with plenty of water for 15 minutes, until irritation subsides. If irritation persists, get medical attention.

Skin: Immediately brush off any excess and flush skin with large quantities of water; seek medical attention if irritation develops.

Ingestion: Rinse mouth thoroughly. Drink plenty of milk, egg whites, or gelatin solution; do not induce vomiting; Contact a physician immediately.

Inhalation: Move person to fresh air if irritation, headache, drowsiness, or nausea occurs. Seek medical attention if breathing becomes difficult or if any irritation should persist.

SECTION 5 – FIRE FIGHTING MEASURES

Flammable Limit: N/D
Physical Hazard: None
Extinguishing Media: Water, Foam, Dry Chemicals, or Carbon Dioxide.
Fire Extinguishing Procedure: Use of respiratory equipment is recommended in enclosed areas.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to be taken if released or spilled: Sweep all materials practical for salvage or disposal. Rinse residue with water.

Waste disposal method: Any unsalvageable material must be disposed in compliance with local, state, and federal laws and regulations. Do not dump into sewers, on the ground, or into any bodies of water.

SECTION 7 - HANDLING AND STORAGE

Store in a cool dry ventilated area. Avoid moisture. Keep container sealed/closed when not in use. Avoid dust formation. Observe Building Code and NFPA storage requirements for chlorinated compounds.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Use an appropriate respirator for corrosive and chlorine dust if product dust exceeds exposure limits.

Ventilation Requirement: Yes; local exhaust or air movement. Maintain adequate ventilation.

Protective Gloves: Yes; Nitrile, rubber, or neoprene

Eye Protection: Chemical goggles

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off white granular powder

Vapor Pressure: None
Specific Gravity (water = 1) : N/A
Solubility in Water : Complete
pH (5% in DI Water) : 11.0 - 12.0
Boiling Point : N/A

SECTION 10 - STABILITY AND REACTIVITY

Hazardous Decomposition : Chlorine gas and trace amounts of phosgene are possible. May produce carbon and sulfur oxides.
Stability : Stable
Incompatibility : Strong inorganic acids and bases; combustibles; nitrogen containing compounds such as ammonia, urea, amines, etc.
SECTION 11 - TOXICOLOGICAL INFORMATION
C044

Toxicological Data Sources: Data from the scientific literature on components are summarized below.

Chronic toxicity: No evidence of mutagenic or reproductive effects.

Carcinogenicity: This product contains greater than 0.1% crystalline silica which is listed as a Group 1 carcinogen by IARC, a known carcinogen by NTP, OSHA and as A2 suspected Human carcinogen by ACGIH.

Limestone - GAS: 1317-65-3
LD50 Oral: 6450 mg/kg (rat)

Crystalline Silica, quartz (impurity) -
CAS: 14808-60-7
IARC - Group 1 (Carcinogenic to Humans) dated 1977:
LD50 Oral: 500 mg/kg (rat)

Potential Health Effects:

Sensitization: Does not cause sensitization.

Eye irritation: Slightly irritating. Not classified.

Skin irritation: Possible dry skin and mucous membranes.

Inhalation: Contains crystalline silica which can be absorbed into the body by inhalation and may have effects on the lungs, resulting in fibrosis (silicosis).

C061

LD50 (oral, rat): 6500 mg/kg (8)
LD50 (oral, rat): 3900 mg/kg (9, unconfirmed)
LD50 (oral, mouse): 3210 mg/kg (9, 10 unconfirmed)

Skin Irritation (rabbit, guinea pig): Negligible irritation and no visible tissue damage was observed after a 50% solution was applied to intact and abraded skin.(l)

Effects Of Long-Term Ingestion: Kidney damage was observed in rats fed a diet containing 2% or 10% sodium tripolyphosphate for one month, but not in animals fed 0.2%.(10) Kidney damage was also observed in rats fed 3% sodium tripolyphosphate for 6 months and 5% for 2 years. No detectable toxic effects were observed following ingestion of 1.8% in the diet for 6 months and 05% for 2 years.(10)

Additional toxicological information: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP,
OSHA or ACGIH.

C117

Component  LD50 Oral:  Sodium sulfate 10000 mg/kg ( Rat)

Eyes:  Eye irritation
Skin:  Skin irritation
Ingestion:  Unknown
Inhalation:  Unknown
Chronic Toxicity:  No information available
Carcinogenicity:  Product is not listed.
Hazard Type:  Skin/Eye irritant.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:  This product is not expected to be toxic to aquatic life.
Persistence/Degradability:  Non-degradable
Bioaccumulative potential:  None
Mobility:  Inert material.
Other Adverse Effects  None known.

C061

N/A

C117

Component :  Sodium sulfate:  Water Flea
EC50 = 2564 mg/L 48 h
EC50 = 4547 mg/L 96 h

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL CONSIDERATIONS:  Dispose in accordance with local, state and National regulations.

C061  Review federal, provincial and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by secure landfill may be acceptable.

C117

Waste Disposal Methods:  Dispose of contents/container in accordance with local regulation
SECTION 14 – TRANSPORT INFORMATION
C044

IMO/IMDG: Not a dangerous substance.
ICAO/IATA: Not a dangerous substance.
RID/ADR: Not a dangerous substance.
D.O.T. Hazard Classification: Non-hazardous material.

General information: The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Other information: Environmental hazards: None known

C061

U.S. DEPARTMENT OF TRANSPORT (DOT) HAZARDOUS MATERIALS SHIPPING INFORMATION (49 CFR):
This chemical is not specifically listed in the U.S. hazardous materials shipping regulations (49 CFR, Table 172-101). However it may be regulated as part of a chemical family or group Not Otherwise Specified (N.O.S.) (cg. mercury- based pesticides). Consult the regulation.

NOTE: This information (Docket No. HM-215A) was taken from the U.S. Federal Register, Vol. 59, no. 249 (December 1994) and is effective October 1, 1996.

U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

OSHA HAZARD COMMUNICATION EVALUATION: Does not meet criteria for hazardous material, as defined by 29 CFR 1910.1200

C117

DOT: Not regulated
ICAO: Not regulated
IATA: Not regulated
IMDG/IMO: Not regulated
ADR: Not regulated
ADN: Not regulated

SECTION 15 – REGULATORY INFORMATION
C044
EPA:
SARA 311/312 HAZARD: None
SARA 313: None
CERCLA RQ: None
Clean Water Act: The components of this product are not regulated under any of the following sections of the Clean Water Act: Section 307 Priority Pollutants or Section 311 Hazardous Substances. It would be regulated under 304 Water Quality Criteria Substances for suspended solids.

Clean Air Act: The components of this product are not regulated under any of the following sections of the Clean Air Act:
Section 112 Hazardous Air Pollutants,
Section 112 Statutory Air Pollutants, Section 112 High-Risk Pollutants, Section 112(r) Accidental Release Prevention Substances or Section 602 Ozone Depleting Substance. As a powder product, it would be regulated under Section 109 Criteria Pollutants/particulates.

USA 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 Hazardous Categorization:
Acute Health Hazard: Yes
Chronic Health Hazard: No
SECTION 16 – OTHER INFORMATION


SDS Format: ANSI Z400.1-2004

*SDS updated by: Timothy J. Sharpe, TCI Chemist, Childress, TX

Note: Product should be used as directed on the label and no other use is permitted. No warranty is implied expressly or otherwise regarding the accuracy of the information in the product’s suitability for the consumer’s use and the outcome of its use. The technical accuracy of the information submitted herein is based on the data submitted to TCI by the manufacturers for the materials used in this finished product.