

SAFETY DATA SHEET



Texas Correctional Industries
Texas Department of Criminal Justice

Date Issued: September 2016
Supersedes: May 2015

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

Galveston Texas Poison Control: **1-800-764-7661**
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 - HEALTH HAZARD



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

SECTION 3 - HEALTH HAZARD

Chemical/Common Name	CAS No.	PERCENT	ACGIH/OSHA		WHMIS
			TWA	PEL	
*Calcium Carbonate	1317-65-3	80 - 87	15 mg/m ³	15 mg/m ³	N/A
Sodium Dichloroisocyanurate	51580-86-0	0.1 – 1.0	1.5 mg/m ³	N/D	N/D
Benzene Sulfonic acid, mono-C ₁₀₋₁₆ -alkyl, sodium salt	68081-81-2	3 - 4	N/D	N/D	N/D

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 - EMERGENCY AND FIRST AID PROCEDURE

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 AND HAZARD DATA

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 - SPILL OR LEAK PROCEDURES

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 - STORAGE AND HANDLING

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 - SPECIAL PROTECTION INFORMATION

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 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 - REACTIVE DATA

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.(1)
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

C044

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

C044

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

California - Proposition 65 -

Carcinogens List (409) carcinogen

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: 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.
States Right-to-Know (RTK):	
California Proposition 65:	The product contains the following chemicals at levels known to the State of California to cause cancer: Crystalline Silica (14808-60-7): carcinogen, initial date 10/1/88 (airborne particles of respirable size)
C061	
Label Hazard Warnings:	CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE HARMFUL IF SWALLOWED OR INHALED.
Label Precautions:	Keep container closed. Use with adequate ventilation. Avoid breathing the dust. Wash thoroughly after handling. Avoid contact with, eyes, skin and clothing.
Label First Aid:	If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush eyes or skin with plenty of Water for at least 15 minutes. Get medical attention if irritation develops or persists. If swallowed, give large amounts of water to drink. Never give anything by mouth to an unconscious person. Get medical attention.
C117	
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.

Bippy , Date Issued: September 2016

SARA 311/312 Hazardous Categorization:

Acute Health Hazard:	Yes
Chronic Health Hazard:	No
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactive Hazard:	No

Clean Air Act, Section 112: Hazardous Air Pollutants (HAPs) (see 40 CFR 61)	This product does not contain any HAPs.
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Literary Reference:	Refer to NFPA 654 Standard for the Prevention of Fire and Dust Explosions for the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
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SECTION 16 – OTHER INFORMATION

Federal Hazardous Substances Act statutes and Consumer Product Safety Commission regulations: 16 CFR 1500.14(b)(3) and 1500.83(a)(13).

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.