



Material Safety Data Sheet

Caustic Soda, Solid, Bead or Flake

Part Number: 05C042

Hukill Chemical Corporation

7013 Krick Road

Bedford, OH 44146-4493

Section I: Chemical Product & Company Identification

| | | | | |
|-------------------------|--|------------------------------------|---------------------|---|
| Manufacturer | Hukill Chemical Corporation 7013 Krick Road Bedford, OH 44146-4493 | Emergency Telephone Number | (800) 962-1143 | |
| | | Chemtrec's Telephone Number | (800) 424-9300 | |
| | | Prepared By | bcj | |
| Telephone Number | (440) 232-9400 | Date Prepared | August 16, 2002 | |
| Fax Number | (440) 232-9477 | HMIS | Health | 3 |
| Web Site | http://www.hukill.com | | Flammability | 0 |
| Email | hukill@hukill.com | | Reactivity | 1 |
| Synonyms | | | | |

Section II: Composition/Information On Ingredients

| Hazardous Components | Reportable Under SARA Section 313 | CAS Number | OSHA Limits (ppm) | | | ACGIH TLV (ppm) | % |
|---|-----------------------------------|------------|-------------------|------|---------|-----------------|-----|
| | | | PEL | STEL | Ceiling | | |
| Sodium hydroxide | No | 1310-73-2 | 2 * | N/A | 2 * | 2 * | >95 |
| <i>* mg/m³ instead of ppm.</i> | | | | | | | |

Section III: Hazardous Identification

| | | | | | | | |
|--|--|-----|------------------------|-----|------------------------|-----|--|
| Emergency Overview: | | | | | | | |
| Danger! Cause eye & skin burns. Causes severe respiratory irritation. Harmful if swallowed. | | | | | | | |
| Route(s) of Entry | Inhalation? | Yes | Skin? | Yes | Ingestion? | Yes | |
| Health Hazards (Acute and Chronic) | | | | | | | |
| Eye contact causes burns or severe irritation with corneal damage. Skin contact causes burns or severe irritation with permanent damage. Breathing causes severe mucous membrane and respiratory irritation with possible lung damage (pulmonary edema). Swallowing causes severe mucous membrane and gastrointestinal burns with shock, collapse and death. | | | | | | | |
| Signs and Symptoms of Exposure | | | | | | | |
| Irritation of respiratory tract from inhaled dust, skin burns from prolonged contact, eye irritation or blindness from eye contact, burns to the mouth and digestive system from ingestion. | | | | | | | |
| Carcinogenicity | NTP | No | IARC Monographs | No | OSHA Regulated? | No | |
| Comments | May contain detectable amounts of chemicals known to cause cancer or reproductive harm | | | | | | |

Section IV: First Aid

| | |
|---------------------|--|
| Eye Contact | Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Speed in washing off corrosive material is of primary importance. Get immediate medical attention. |
| Skin Contact | Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention. Speed in washing off corrosive material is of primary importance. |
| Inhalation | Remove exposed person from source of exposure to fresh air. If not breathing, ensure clear airway and institute cardiopulmonary resuscitation. If breathing is difficult, administer oxygen if available. Keep affected person warm and at rest. Get immediate m |
| Ingestion | Immediately call a local physician, a local emergency room or a poison control center. Do not give anything by mouth if victim is semi-conscious or unconscious. If victim is conscious, give 1-3 glasses of water or milk. |



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Section V: Fire Fighting Measures

| | | | |
|---|---|------------|------------|
| Flash Point (method used) | Flammable Limits | LEL | UEL |
| N/A | | N/A | N/A |
| Extinguishing Media | Use extinguishing agent suitable for type of surrounding fire. Material itself burns with difficulty. | | |
| Special Fire Fighting Procedures | | | |
| Exposed firefighters should wear personnel protective equipment appropriate for protection from the surrounding fire. | | | |
| Unusual Fire and Explosion Hazards | | | |
| Exposure to reactive metals like aluminum and magnesium can cause release of explosive hydrogen gas. | | | |

Section VI: Accidental Release Measures

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| Steps to Be Taken in Case Material is Released or Spilled |
| Contain spill in order to prevent contamination of waterways; neutralize with a dilute acid. Flush with water in accordance with applicable regulations to waste treatment system. Avoid runoff into storm sewers and ditches which lead to waterways. If water pollution occurs, notify the appropriate authorities. |
| Waste Disposal Method |
| Disposal must be in accordance with federal, state and local regulations. |

Section VII: Handling And Storage

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|--|
| Precautions to Be Taken in Handling and Storing |
| Do not get in eyes, on skin or on clothing. Do not breathe dusts. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet facilities. Remove contaminated clothing and clean before re-use. Shower after work using soap and water. Destroy contaminated leather items such as belts and shoes and other items than cannot be decontaminated. Never handle when working alone. |
| Other Precautions |
| Dissolving in water or neutralizing with acid may generate enough heat to cause boiling and spattering. |

Section VIII: Exposure Controls, Personal Protection

| | | | |
|--|---|--|-------------------|
| Respiratory Protection (Specify) | Dust mask or respirator to avoid inhalation of dust | | |
| Ventilation | Local Exhaust | Maintain ambient concentration below 2mg/cubic meter | |
| | Mechanical (General) | General ventilation | |
| | Special | None | Other None |
| Protective Gloves | Chemical resistant. | | |
| Eye Protection | Safety glasses with side shields or goggles. | | |
| Other Protective Clothing or Equipment | | | |
| Cover as much skin as possible to prevent exposure to tissues. | | | |
| Work/Hygienic Practices | | | |
| Wash hands after handling and before eating, smoking, or using the toilet. | | | |



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Section IX: Physical And Chemical Properties

| | | | |
|--------------------------------|--------------|---|-------|
| Boiling Point | 1390C | Specific Gravity (H2O = 1) | 2.1 |
| Vapor Pressure (mm Hg) | <.01 | Melting Point | N/A |
| Vapor Density (Air = 1) | N/A | Evaporation Rate (Butyl Acetate = 1) | N/A |
| Solubility In Water | 100% | | |
| Appearance and Odor | State | | Solid |
| Odorless white flakes or beads | | | |

Section X: Stability And Reactivity

| | | |
|--|--|-------|
| Stability | Conditions to Avoid | None. |
| Stable | | |
| Incompatibility (Material to Avoid) | Aluminum, zinc, tin, and their alloys. Reacts violently with acids. Releases heat when dissolved in water. | |
| Hazardous Decomposition of Byproducts | Will release flammable hydrogen gas when exposed to the above metals. | |
| Hazardous Polymerization | Conditions to Avoid | None. |
| Will not occur | | |

DOT Shipping Name: Sodium Hydroxide, Solid

Hazard Class: 8

UN Number: UN1823

PGII

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