



Revision Number: 002.4

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**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	<b>BONDERITE C-AK 2077X ALKALINE CLEANER</b>	<b>IDH number:</b>	2370402
<b>Product type:</b>	Cleaner	<b>Region:</b>	United States
<b>Restriction of Use:</b>	None identified	<b>Contact information:</b>	Telephone: +1 (860) 571-5100 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com
<b>Company address:</b>	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067		

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

**DANGER:** MAY BE CORROSIVE TO METALS.  
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

HAZARD CLASS	HAZARD CATEGORY
CORROSIVE TO METALS	1
SKIN CORROSION	1B
SERIOUS EYE DAMAGE	1

**PICTOGRAM(S)**



**Precautionary Statements**

<b>Prevention:</b>	Keep only in original packaging. Do not breathe dust or fumes. Wash affected area thoroughly after handling. Wear protective gloves, clothing, eye and face protection.
<b>Response:</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage.
<b>Storage:</b>	Store locked up. Store in corrosive resistant container with a resistant inner liner.
<b>Disposal:</b>	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

2 % of the mixture consists of ingredient(s) of unknown acute toxicity.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous Component(s)	CAS Number	Percentage*
Sodium hydroxide	1310-73-2	60 - 70
Sodium 3-nitrobenzenesulphonate	127-68-4	1 - 5
Potassium hydroxide	1310-58-3	1 - 5

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove person from dust-contaminated zone, seek medical advice if necessary.
<b>Skin contact:</b>	Remove contaminated clothing and footwear. For skin contact, flush with large amounts of water. Seek immediate medical attention.
<b>Eye contact:</b>	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
<b>Ingestion:</b>	Get immediate medical attention. DO NOT induce vomiting unless directed to do so by medical personnel. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.
<b>Symptoms:</b>	See Section 11.
<b>Notes to physician:</b>	If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

#### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Use media appropriate for surrounding material.
<b>Special firefighting procedures:</b>	Wear full protective clothing. Wear self-contained breathing apparatus.
<b>Unusual fire or explosion hazards:</b>	Not a fire hazard.
<b>Hazardous combustion products:</b>	Irritating and toxic gases or fumes may be released during a fire.

#### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Sweep up or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup. Dispose of according to Federal, State and local governmental regulations.

## 7. HANDLING AND STORAGE

- Handling:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not breathe dust. Provide adequate ventilation. Do not take internally. NEVER ADD WATER TO PRODUCT. For dilutions, add product slowly to water while stirring. Use caution; heat may be generated.
- Storage:** Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Sodium hydroxide	2 mg/m3 Ceiling	2 mg/m3 PEL	None	None
Sodium 3-nitrobenzenesulphonate	None	None	None	None
Potassium hydroxide	2 mg/m3 Ceiling	None	None	None

- Engineering controls:** Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.
- Respiratory protection:** If ventilation is not sufficient to effectively prevent buildup of dust, appropriate NIOSH/MSHA respiratory protection must be provided.
- Eye/face protection:** Wear chemical goggles.
- Skin protection:** Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- |   |                    |
|---|--------------------|
| <b>Physical state:</b>                          | Solid              |
| <b>Color:</b>                                   | Tan                |
| <b>Odor:</b>                                    | Sweet              |
| <b>Odor threshold:</b>                          | Not available.     |
| <b>pH:</b>                                      | > 12 (1% solution) |
| <b>Vapor pressure:</b>                          | Not applicable     |
| <b>Boiling point/range:</b>                     | Not applicable     |
| <b>Melting point/ range:</b>                    | Not determined     |
| <b>Specific gravity:</b>                        | 0.78 - 0.82        |
| <b>Vapor density:</b>                           | Not applicable     |
| <b>Flash point:</b>                             | Not applicable     |
| <b>Flammable/Explosive limits - lower:</b>      | Not available.     |
| <b>Flammable/Explosive limits - upper:</b>      | Not available.     |
| <b>Autoignition temperature:</b>                | Not applicable     |
| <b>Flammability:</b>                            | Not applicable     |
| <b>Evaporation rate:</b>                        | Not applicable     |
| <b>Solubility in water:</b>                     | Complete           |
| <b>Partition coefficient (n-octanol/water):</b> | Not determined     |
| <b>VOC content:</b>                             | Not applicable     |
| <b>Viscosity:</b>                               | Not available.     |
| <b>Decomposition temperature:</b>               | Not available.     |

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	None expected.
<b>Incompatible materials:</b>	Reacts with acids. Adding water to this product may cause localized overheating and splattering.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	None identified.

## 11. TOXICOLOGICAL INFORMATION

**Relevant routes of exposure:** Skin, Inhalation, Eyes

### Potential Health Effects/Symptoms

<b>Inhalation:</b>	Inhalation of dusts of this product may cause severe irritation and burns to the respiratory tract.
<b>Skin contact:</b>	Dust or powder may irritate the skin. This product is severely irritating to the skin and may cause burns. This product contains a component that may cause allergic skin reactions.
<b>Eye contact:</b>	Dust or powder may irritate eye tissue. Rubbing may cause abrasion of cornea. This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.
<b>Ingestion:</b>	This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Sodium hydroxide	None	Irritant, Corrosive, Eyes
Sodium 3-nitrobenzenesulphonate	None	Irritant
Potassium hydroxide	Oral LD50 (Rat) = 273 mg/kg Oral LD50 (Rat) = 1.23 g/kg	Corrosive, Irritant

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Sodium hydroxide	No	No	No
Sodium 3-nitrobenzenesulphonate	No	No	No
Potassium hydroxide	No	No	No

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Because of the high pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

<b>Recommended method of disposal:</b>	Follow all local, state, federal and provincial regulations for disposal. This product contains a chelating agent.
<b>Hazardous waste number:</b>	Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

## 14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

### U.S. Department of Transportation Ground (49 CFR)

<b>Proper shipping name:</b>	Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide, Potassium hydroxide)
<b>Hazard class or division:</b>	8
<b>Identification number:</b>	UN 3262
<b>Packing group:</b>	II
<b>DOT Hazardous Substance(s):</b>	Sodium hydroxide, Potassium hydroxide

### International Air Transportation (ICAO/IATA)

<b>Proper shipping name:</b>	Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide, Potassium hydroxide)
<b>Hazard class or division:</b>	8
<b>Identification number:</b>	UN 3262
<b>Packing group:</b>	II

### Water Transportation (IMO/IMDG)

<b>Proper shipping name:</b>	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, Potassium hydroxide)
<b>Hazard class or division:</b>	8
<b>Identification number:</b>	UN 3262
<b>Packing group:</b>	II

## 15. REGULATORY INFORMATION

### United States Regulatory Information

<b>TSCA 8 (b) Inventory Status:</b>	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
<b>TSCA 12 (b) Export Notification:</b>	Benzenesulfonic acid, 3-nitro-, sodium salt (1:1) (CAS# 127-68-4).
<b>CERCLA/SARA Section 302 EHS:</b>	None above reporting de minimis.
<b>CERCLA/SARA Section 311/312:</b>	Immediate Health
<b>CERCLA/SARA Section 313:</b>	None above reporting de minimis.
<b>CERCLA Reportable quantity:</b>	Sodium hydroxide (CAS# 1310-73-2) 1,000 lbs. (454 kg) Potassium hydroxide (CAS# 1310-58-3) 1,000 lbs. (454 kg)
<b>California Proposition 65:</b>	No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

<b>CEPA DSL/NDL Status:</b>	All components are listed on or are exempt from listing on the Canadian Domestic Substances List.
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## 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

**Prepared by:** Regulatory Affairs

**Issue date:** 11/13/2017

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