

Revision Number: 004.0 Issue date: 07/21/2014

# 1. PRODUCT AND COMPANY IDENTIFICATION

Region:

**Product name: BONDERITE C-AK 212 ALKALINE** IDH number: 593946

**CLEANER FOR AL known as** 

**RIDOLINE 212** 

Product type: Cleaner

Restriction of Use: None identified

Company address: Henkel Corporation

One Henkel Way

Rocky Hill, Connecticut 06067

Contact information: Telephone: (860) 571-5100

MEDICAL EMERGENCY Phone: Poison Control Center

**United States** 

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

### 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW		
WARNING:	CAUSES SKIN IRRITATION.	
	CAUSES SERIOUS EYE IRRITATION.	

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
EYE IRRITATION	2A

#### PICTOGRAM(S)



### **Precautionary Statements**

Prevention: Wash thoroughly after handling. Wear eye and face protection. Wear protective gloves. Response: IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. If skin irritation occurs: Get medical attention. If eye irritation persists: Get medical attention. Take

off contaminated clothing.

Not prescribed Storage: Disposal: Not prescribed

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*
Potassium carbonate	584-08-7	1 - 5
Tetrapotassium pyrophosphate	7320-34-5	1 - 5
Phosphate ester, potassium salt	Proprietary	1 - 5

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Boric acid (H3BO3), potassium salt 20786-60-1 5 - 10

\* Exact percentage is a trade secret. Concentration range is provided to assist users in providing appropriate protections.

# 4. FIRST AID MEASURES

Inhalation: If mist or vapor of this product is inhaled, remove person immediately to fresh

air. Seek medical attention if symptoms develop or persist.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). If

symptoms develop and persist, get medical attention.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

**Ingestion:** Get immediate medical attention. Do not induce vomiting.

Symptoms: See Section 11.

**Notes to physician:** Treat symptomatically and supportively.

#### 5. FIRE FIGHTING MEASURES

Extinguishing media: Use media appropriate for surrounding material.

Special firefighting procedures: Wear protective equipment. Wear full protective clothing.

Unusual fire or explosion hazards: Not a fire hazard.

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Hazardous combustion products: Upon decomposition, this product emits carbon monoxide, carbon dioxide

and/or low molecular weight hydrocarbons.

### 6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions: Wear appropriate protective equipment and clothing during clean-up. Prevent

further leakage or spillage if safe to do so. Do not let product enter drains.

Clean-up methods: Absorb spill with inert material. Shovel material into appropriate container for

disposal. Dispose of according to Federal, State and local governmental

regulations.

# 7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Do not take internally. For industrial

use only.

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
Potassium carbonate	None	None	None	None
Tetrapotassium pyrophosphate	None	None	None	None
Phosphate ester, potassium salt	None	None	None	None
Boric acid (H3BO3), potassium salt	None	None	None	None

Provide local and general exhaust ventilation to effectively remove and **Engineering controls:** 

prevent buildup of any vapors or mists generated from the handling of this

product.

Respiratory protection: If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or

vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eve/face protection: Wear chemical goggles.

Chemical resistant, impermeable gloves. Gloves should be tested to Skin protection:

determine suitability for prolonged contact. Use of impervious apron and boots

are recommended.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid Color: Yellow Odor: Mild

Odor threshold: Not available.

pH: 9.9

Not determined Vapor pressure: Boiling point/range: > 100 °C (> 212°F)

Melting point/ range: Specific gravity: Not available.

1.19 - 1.21 at 16 °C (60.8 °F)

Vapor density: Not determined Flash point: Not applicable Flammable/Explosive limits - lower: Not applicable Flammable/Explosive limits - upper: Not applicable Autoignition temperature: Not available. Evaporation rate: Not available. Solubility in water: Complete Partition coefficient (n-octanol/water): Not available. **VOC** content: Not available. Viscosity: Not available. **Decomposition temperature:** Not available.

# 10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Hazardous reactions: Will not occur.

Hazardous decomposition

products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low

molecular weight hydrocarbons.

Incompatible materials: This product may react with strong reducing agents. This product may react with strong

oxidizing agents.

Reactivity: Not available.

Conditions to avoid: Store away from incompatible materials.

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### 11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

### **Potential Health Effects/Symptoms**

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.

Skin contact: This product may cause irritation to the skin. Prolonged or repeated skin contact may cause

skin irritation or allergic skin sensitization reaction.

**Eye contact:** This product may be severely irritating to the eyes.

**Ingestion:** Ingestion of this product may cause nausea, vomiting and diarrhea.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Potassium carbonate	Oral LD50 (RAT) = 1,870 mg/kg	Irritant, Corrosive
Tetrapotassium pyrophosphate	None	No Target Organs
Phosphate ester, potassium salt	None	No Records
Boric acid (H3BO3), potassium salt	None	Irritant, Skin, Gastrointestinal, Central nervous system, Reproductive, Developmental, Blood

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Potassium carbonate	No	No	No
Tetrapotassium pyrophosphate	No	No	No
Phosphate ester, potassium salt	No	No	No
Boric acid (H3BO3), potassium salt	No	No	No

# 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

# 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

Hazardous waste number: 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)

Proper shipping name:
Hazard class or division:
Identification number:
Packing group:
Not regulated
None
None

### International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated

Hazard class or division: None Identification number: None Packing group: None

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Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated Hazard class or division: None Identification number: None Packing group: None

### 15. REGULATORY INFORMATION

**United States Regulatory Information** 

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act

Inventory.

TSCA 12 (b) Export Notification: None above reporting de minimis

CERCLA/SARA Section 302 EHS: None above reporting de minimis

CERCLA/SARA Section 311/312: Immediate Health

CERCLA/SARA Section 313: None above reporting de minimis

California Proposition 65: This product contains a chemical known in the State of California to cause cancer. This

product contains a chemical known to the State of California to cause birth defects or other

reproductive harm.

**Canada Regulatory Information** 

IDH number: 593946

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic

Substances List.

#### 16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: Reviewed MSDS. Reissued with new date.

Prepared by: John Davies, Manager, Regulatory Affairs

Issue date: 07/21/2014

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