



Revision Number: 003.3

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**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** BONDERITE C-AK 53 AERO known as TURCO RIDOLINE 53 **IDH number:** 594633  
**Product type:** Cleaner **Region:** United States  
**Company address:** Henkel Corporation, 32100 Stephenson Highway, Madison Heights, MI 48071  
**Contact information:** Telephone: 248.583.9300  
 For Chemical Emergency: Call CHEMTREC at 800.424.9300  
 Internet: www.henkelna.com

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

<b>Physical state:</b> Solid	<b>HMIS:</b>	
<b>Color:</b> white	<b>HEALTH:</b>	3
<b>Odor:</b> Bland	<b>FLAMMABILITY:</b>	0
	<b>PHYSICAL HAZARD:</b>	0
	<b>Personal Protection:</b>	See MSDS Section 8

**DANGER-CORROSIVE!:** CAUSES EYE, SKIN, DIGESTIVE TRACT, AND RESPIRATORY TRACT BURNS.

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

**Potential Health Effects**

**Inhalation:** Mists, vapors or liquid may cause severe irritation or burns.  
**Skin contact:** Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.  
**Eye contact:** This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.  
**Ingestion:** This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

**Existing conditions aggravated by exposure:** Eye, skin and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
Sodium metasilicate	6834-92-0	30 - 60
Tetrasodium pyrophosphate	7722-88-5	10 - 30
Sodium carbonate	497-19-8	10 - 30
Alkylphenol ethoxylate	Proprietary	5 - 10

**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.

<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. 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>Notes to physician:</b>	Treat symptomatically and supportively.

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	Not applicable
<b>Autoignition temperature:</b>	Not applicable
<b>Flammable/Explosive limits - lower:</b>	Not applicable
<b>Flammable/Explosive limits - upper:</b>	Not applicable
<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>	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.

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up.
<b>Clean-up methods:</b>	Sweep up or gather material and place in appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not breathe fumes or dust from this material. For industrial use only.
<b>Storage:</b>	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 components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Sodium metasilicate	None	None	None	None
Tetrasodium pyrophosphate	None	None	None	None
Sodium carbonate	None	None	None	None
Alkylphenol ethoxylate	None	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 and / or face shield.

**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

**Physical state:** Solid  
**Color:** white  
**Odor:** Bland  
**Odor threshold:** Not available.  
**pH:** Not available.  
**Vapor pressure:** Not applicable  
**Boiling point/range:** Not applicable  
**Melting point/ range:** Not available.  
**Specific gravity:** Not applicable  
**Vapor density:** Not applicable  
**Flash point:** Not applicable  
**Flammable/Explosive limits - lower:** Not applicable  
**Flammable/Explosive limits - upper:** Not applicable  
**Autoignition temperature:** Not applicable  
**Evaporation rate:** Not applicable  
**Solubility in water:** Appreciable  
**Partition coefficient (n-octanol/water):** Not available.  
**VOC content:** Not applicable

## 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 reacts with acids.

**Conditions to avoid:** Store away from incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Sodium metasilicate	No	No	No
Tetrasodium pyrophosphate	No	No	No
Sodium carbonate	No	No	No
Alkylphenol ethoxylate	No	No	No

Hazardous components	Health Effects/Target Organs
Sodium metasilicate	Irritant, Corrosive, Eyes
Tetrasodium pyrophosphate	Corrosive, Irritant, Metabolic
Sodium carbonate	Irritant, Sensory
Alkylphenol ethoxylate	Irritant

## 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. This chemical contains phosphates.

**Hazardous waste number:** Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

## 14. TRANSPORT INFORMATION

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

**Proper shipping name:** Disodium trioxosilicate  
**Hazard class or division:** 8  
**Identification number:** UN 3253  
**Packing group:** III

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Disodium trioxosilicate  
**Hazard class or division:** 8  
**Identification number:** UN 3253  
**Packing group:** III

### Water Transportation (IMO/IMDG)

**Proper shipping name:** DISODIUM TRIOXOSILICATE  
**Hazard class or division:** 8  
**Identification number:** UN 3253  
**Packing group:** III

## 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 minimus

**CERCLA/SARA Section 302 EHS:** None above reporting de minimus

**CERCLA/SARA Section 311/312:** Immediate Health

**CERCLA/SARA 313:** None above reporting de minimus

**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

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

**WHMIS hazard class:** D.2.B, E

## 16. OTHER INFORMATION

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

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