



## Safety Data Sheet



Revision Number: 004.0

Issue date: 05/19/2021

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	<b>BONDERITE C-IC SC0590 ACID DEOXIDIZER known as SC0590</b>	<b>IDH number:</b>	594369
<b>Product type/use:</b>	Cleaner	<b>Region:</b>	United States
<b>Restriction of Use:</b>	None identified	<b>Contact information:</b>	
<b>Company address:</b>	Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067	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.henkeln.com	

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**DANGER:** HARMFUL IF SWALLOWED.  
CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.  
MAY CAUSE RESPIRATORY IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
ACUTE TOXICITY ORAL	4
SKIN CORROSION	1B
SERIOUS EYE DAMAGE	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3

#### PICTOGRAM(S)



#### Precautionary Statements

**Prevention:** Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves, clothing, eye and face protection.

**Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. 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.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

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*
hydrogen peroxide solution	7722-84-1	10 - 30
Ammonium nitrate	6484-52-2	1 - 5

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Nitritotrimethylenetris(phosphonic acid)	6419-19-8	1 - 5
Phenol	108-95-2	0.1 - 1
phosphonic acid	13598-36-2	0.1 - 1

\* 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>	If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.
<b>Skin contact:</b>	Remove contaminated clothing and footwear. Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get 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>	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. Seek medical attention from a specialist.
<b>Symptoms:</b>	See Section 11.
<b>Notes to physician:</b>	If cyanosis is severe, intravenous injection of methylene blue, 1 mg/kg body weight, may be of value.

#### 5. FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Use water only. Do not use dry chemicals, carbon dioxide, or foam.
<b>Special fire fighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Wear full protective clothing.
<b>Unusual fire or explosion hazards:</b>	This product is an aqueous mixture which will not burn.
<b>Hazardous combustion products:</b>	Upon combustion, this product may release oxygen, which may increase the fire hazard. Oxides of nitrogen.

#### 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>	Wear suitable protective clothing, gloves and eye/face protection. Prevent further leakage or spillage if safe to do so. Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	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

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not breathe gas/fumes/vapor/spray. Do not take internally. For industrial use only. Provide adequate ventilation. Do not cut or weld on empty drums. Sufficient vapors from residues may be present to cause explosion and serious injury and/or death. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or promptly disposed of.
<b>Storage:</b>	Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Provide adequate ventilation.

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
hydrogen peroxide solution	1 ppm TWA	1 ppm (1.4 mg/m <sup>3</sup> ) PEL	None	None
Ammonium nitrate	None	None	None	None
Nitritotrimethylenetris (phosphonic acid)	None	None	10 mg/m <sup>3</sup> TWA Aerosol.	None
Phenol	5 ppm TWA (SKIN)	5 ppm (19 mg/m <sup>3</sup> ) PEL (SKIN)	None	None
phosphonic acid	None	None	None	None

<b>Engineering controls:</b>	Ventilation should effectively remove and prevent buildup of any vapor/mist/fume/dust generated from the handling of this product.
<b>Respiratory protection:</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.
<b>Skin protection:</b>	Wear impervious gloves for prolonged contact. 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>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Aromatic
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	1.3
<b>Vapor pressure:</b>	18 mm hg None
<b>Boiling point/range:</b>	> 100 °C (> 212°F) calculated
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	1.12 - 1.15 at 21 °C (69.8 °F)
<b>Vapor density:</b>	Not determined
<b>Flash point:</b>	> 100 °C (> 212°F) calculated
<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 available.
<b>Solubility in water:</b>	fully soluble
<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>	None under normal processing.
<b>Hazardous decomposition products:</b>	Oxides of sulfur. Decomposes with heat to produce oxides of nitrogen.
<b>Incompatible materials:</b>	Reacts with acids.
<b>Reactivity:</b>	Not available.
<b>Conditions to avoid:</b>	Keep away from heat, ignition sources and incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

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

### Potential Health Effects/Symptoms

**Inhalation:** Mists, vapors or liquid may cause severe irritation or burns. Inhalation of mists or vapors may produce upper airway edema, wheezing, pulmonary edema, pneumonitis and respiratory failure.

**Skin contact:** Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.

**Eye contact:** Contact with the eyes can cause severe burns and permanent eye damage.

**Ingestion:** This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. This product may cause methemoglobinemia characterized by a reduction in oxygen carrying capacity of the blood with symptoms including headache, dizziness, flushed face, fatigue, nausea, vomiting, drowsiness, stupor, tremors, uneven heart action, coma and rarely death.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
hydrogen peroxide solution	Inhalation LC50 (Rat, 4 h) = > 170 mg/m <sup>3</sup>	Central nervous system, Corrosive, Irritant, Skin
Ammonium nitrate	Oral LD50 (Rat) = 2,217 mg/kg Oral LD50 (Rat) = 4,500 mg/kg Oral LD50 (Rat) = 2,800 mg/kg Inhalation LC50 (Rat, 4 h) = > 88.8 mg/l	Irritant, Kidney
Nitritotrimethylenetriis(phosphonic acid)	None	Irritant
Phenol	Oral LD50 (Mouse) = 270 mg/kg Oral LD50 (Rat) = 317 mg/kg Oral LD50 (Rat) = 530 mg/kg Dermal LD50 (Rat) = 669 mg/kg Dermal LD50 (Rabbit) = 850 mg/kg	Blood, Cardiac, Corrosive, Developmental, Eyes, Irritant, Kidney, Liver, Mutagen, Nervous System, Skin, Vascular
phosphonic acid	None	No Data

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
hydrogen peroxide solution	No	No	No
Ammonium nitrate	No	Group 2A	No
Nitritotrimethylenetriis(phosphonic acid)	No	No	No
Phenol	No	No	No
phosphonic acid	No	No	No

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Not available.

## 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:** Hydrogen peroxide, aqueous solutions  
**Hazard class or division:** 5.1 (8)  
**Identification number:** UN 2014  
**Packing group:** II

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Hydrogen peroxide, aqueous solution  
**Hazard class or division:** 5.1 (8)  
**Identification number:** UN 2014  
**Packing group:** II



Water Transportation (IMO/IMDG)  
Proper shipping name:  
Hazard class or division:  
Identification number:  
Packing group:

HYDROGEN PEROXIDE, AQUEOUS SOLUTION  
5.1 (8)  
UN 2014  
II

## 15. REGULATORY INFORMATION

### United States Regulatory Information

- TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.
- TSCA 12 (b) Export Notification:** None above reporting de minimis  
None above reporting de minimis  
None above reporting de minimis
- CERCLA/SARA Section 302 EHS:** Hydrogen peroxide (CAS# 7722-84-1).  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health  
**CERCLA/SARA Section 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Ammonium nitrate (CAS# 6484-52-2).
- California Proposition 65:** This product contains a chemical known in the State of California to cause cancer. No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

- CEPA DSL/NDL 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:** New Safety Data Sheet format.

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