

# Material Safety Data Sheet

Material Name: SC0593

ID: 233614

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

Product Trade Name SC0593

### Manufacturer Information

Henkel Surface Technologies  
Henkel Corporation  
32100 Stephenson Highway  
Madison Heights, MI 48071

Contact Phone: (248) 583-9300

Chemtrec Emergency # (800) 424-9300

## \*\*\* Section 2 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent
7722-84-1	Hydrogen peroxide	10-35

## \*\*\* Section 3 - Hazards Identification \*\*\*

### Emergency Overview:

DANGER--OXIDIZER CORROSIVE! Contact with other materials may cause a fire. Contact with this material will cause burns to the skin, eyes and mucous membranes. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

### Eye Contact:

This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.

### Skin Contact:

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

### Skin Absorption:

None expected.

### Ingestion:

This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.

### Inhalation:

Inhalation of mists of this product may cause severe irritation and burns to the respiratory tract. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

### Medical Conditions Aggravated by Exposure:

Pre-existing eye, skin and respiratory disorders.

## \*\*\* Section 4 - First Aid Measures \*\*\*

### Eye Contact:

In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

### Skin Contact:

Immediately take off all contaminated clothing. For skin contact, flush with large amounts of water. Seek immediate medical attention.

### Ingestion:

If the material is swallowed, get immediate medical attention or advice -- 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.

### Inhalation:

If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

### First Aid: Notes to Physician

If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately. A nasogastric or orogastric tube may be required for the reduction of severe distension due to gas formation.

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## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

Flash Point: Not applicable

Method Used: Not applicable

Flammability Classification: Not applicable

Upper Flammable Limit (UFL): Not applicable

Lower Flammable Limit (LFL): Not applicable

### Fire & Explosion Hazards:

Decomposition can release oxygen which supports combustion and reduces the effectiveness of suffocation type fire extinguishers. Oxidizing agent, may cause spontaneous ignition of combustible materials.

### Decomposition Products:

Upon combustion, this product may release oxygen, which may increase the fire hazard.

### Extinguishing Media:

Use water only. Do not use dry chemicals, carbon dioxide, or foam.

### Fire-Fighting Instructions:

Firefighters should wear full protective clothing including self contained breathing apparatus.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

### Clean-Up Procedures:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of collected material according to regulation.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures:

Do not get this material in your eyes, on your skin, or on your clothing. Do not inhale vapors or mists of this product. Avoid contamination which can cause rapid decomposition, generating large quantities of oxygen. Keep this product from heat, sparks, or open flame. Wash thoroughly after handling. Use this product with adequate ventilation. Do not take internally. For industrial use only. Clothing or other material wet with this product and allowed to dry may become flammable. Do not return unused product to original container.

### Storage Procedures:

Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Eliminate all sources of ignition. Do not store around flammable or combustible materials. Vent container carefully, as needed to relieve pressure.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines:

#### A: General Product Information

Follow all applicable exposure limits.

#### B: Component Exposure Limits

##### Hydrogen peroxide (7722-84-1)

ACGIH: 1 ppm TWA

OSHA: 1 ppm TWA; 1.4 mg/m3 TWA

NIOSH: 1 ppm TWA; 1.4 mg/m3 TWA

### Engineering Controls:

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

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## PERSONAL PROTECTIVE EQUIPMENT

As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

### Eyes/Face Protective Equipment:

Wear chemical goggles; face shield (if splashing is possible).

### Skin Protection:

Use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

### Respiratory Protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

### Work Practices:

Eye wash fountain and emergency showers are recommended.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Physical State:</b>	Liquid	<b>Appearance:</b>	Clear, colorless
<b>Odor:</b>	Sharp	<b>Vapor Pressure:</b>	Not determined
<b>Vapor Density:</b>	Not determined	<b>Boiling Point:</b>	Not determined
<b>Specific Gravity:</b>	Not determined	<b>pH:</b>	Not determined
<b>Viscosity:</b>	Not determined	<b>VOC:</b>	Not applicable
<b>Solubility Water:</b>	Not determined	<b>Evaporation Rate:</b>	Not determined
<b>Percent Volatile:</b>	Not determined	<b>Percent Solids:</b>	Not applicable

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability:

Stable under normal conditions. Product may decompose over time.

### Conditions to Avoid:

None expected.

### Incompatibility:

This product may react with strong reducing agents. May react with metals, combustible material and porous materials, especially wood, soil and asbestos.

### Decomposition Products:

Product may decompose and release oxygen, steam, peroxide vapor and heat.

### Hazardous Polymerization:

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Toxicity:

#### A: General Product Information

No information available for the product.

#### B: Component Analysis - LD50/LC50

Hydrogen peroxide (7722-84-1)

Oral LD50 Rat: 1518 mg/kg

### Carcinogenicity:

#### A: General Product Information

No information available for the product.

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## B: Component Carcinogenicity

### Hydrogen peroxide (7722-84-1)

ACGIH: A3 - Animal Carcinogen

IARC: Monograph 71, 1999; Supplement 7, 1987; Monograph 36, 1985 (Group 3 (not classifiable))

## Chronic Toxicity

No information available.

Hydrogen peroxide causes severe irritation and burns to the eyes, skin, respiratory system and gastrointestinal tract. Depending upon concentration, symptoms can include corneal burns, blistering of the skin, bleeding from the mouth and throat, and pulmonary edema. Ingestion of hydrogen peroxide can release large quantities of oxygen which can cause severe damage by physical pressure.

## Epidemiology:

No information available for the product.

## Neurotoxicity:

No information available for the product.

## Mutagenicity:

No information available for the product.

## Teratogenicity:

No information available for the product.

## Other Toxicological Information:

None available.

## \*\*\* Section 12 - Ecological Information \*\*\*

## Ecotoxicity:

### A: General Product Information

No data available for this product.

### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

#### Hydrogen peroxide (7722-84-1)

Test & Species

Conditions

48 Hr LC50 carp

42 mg/L

## Environmental Fate:

No data available for this product.

## \*\*\* Section 13 - Disposal Considerations \*\*\*

## US EPA Waste Numbers & Descriptions:

### A: General Product Information

If discarded, this product is considered a RCRA ignitable waste, D001. Wastes of this product may meet the characteristics of a RCRA corrosive waste (D002).

### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

## Disposal Instructions:

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

## \*\*\* Section 14 - Transportation Information \*\*\*

## US DOT Information

**Shipping Name:** Please refer to the container label for transportation information.

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## \*\*\* Section 15 - Regulatory Information \*\*\*

### US Federal Regulations

#### A: General Product Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

#### B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

##### Hydrogen peroxide (7722-84-1)

SARA 302: 1000 lb TPQ (concentration > 52%); 1000 lb EPCRA RQ

SARA 311/312: Acute: Yes Chronic: No Fire: Yes Pressure: No Reactive: Yes

### State Regulations

#### A: General Product Information

No additional information available.

#### B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Hydrogen peroxide	7722-84-1	Yes	Yes	Yes	Yes	Yes	Yes

### Other Regulations

#### A: General Product Information

All components are on the U.S. EPA TSCA Inventory List.

#### B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Hydrogen peroxide	7722-84-1	Yes	Yes	Yes

#### C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Hydrogen peroxide	7722-84-1	1%; English Item 849; French Item 1365

## \*\*\* Section 16 - Other Information \*\*\*

NFPA Ratings: Health: 3 Fire: 0 Reactivity: 1 Other: OX

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

HMIS Ratings: Health: 3\* Fire: 0 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NFPA = National Fire Protection Association; HMIS = Hazardous Material Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act

The information presented herein is believed to be factual as it has been derived from the works and opinions of persons believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which Henkel Surface Technologies bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

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**Contact:** Regulatory Affairs and Product Acceptance

**Contact Phone:** (248) 583-9300

This is the end of MSDS # 233614