



Revision Number: 003.4

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: BONDERITE S-ST 6776 LO AERO known as TURCO 6776-LO
Product type: Not available.
Company address: Henkel Canada Corporation
 2515 Meadowpine Boulevard
 Mississauga, Ontario L5N 6C3

IDH number: 597105
Region: Canada
Contact information:
 Telephone: 905.814.6511
 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

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Green
Odor: Sharp
WHMIS hazard class: D.2.B, E
DANGER-CORROSIVE!: CAUSES EYE, SKIN AND RESPIRATORY TRACT BURNS.
 MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Inhalation of vapors may cause moderate to severe respiratory tract irritation. Inhalation of high vapor concentrations may produce respiratory irritation, and may cause central nervous system (CNS) depression. Chronic inhalation overexposure may produce kidney or bladder damage.
Skin contact: Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns. This product may cause an allergic skin reaction.
Eye contact: This product causes eye burns.
Ingestion: Harmful if swallowed. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

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

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Benzyl alcohol	100-51-6	10 - 30
Benzyl formate	104-57-4	5 - 10
Formic acid	64-18-6	5 - 10
Benzene, C10-16-alkyl derivs.	68648-87-3	1 - 5
2-Mercaptobenzothiazole	149-30-4	0.1 - 1

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:	For skin contact flush with large amounts of water. Obtain medical attention if irritation persists.
Eye contact:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.
Ingestion:	Get 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.

5. FIRE FIGHTING MEASURES

Flash point:	> 93.3 °C (> 199.94 °F) Cleveland open cup
Autoignition temperature:	Not determined
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Extinguishing media:	Use media appropriate for surrounding material.
Special firefighting procedures:	Wear full protective clothing. Wear self-contained breathing apparatus.
Unusual fire or explosion hazards:	This product is an aqueous mixture which will not burn.
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:	Prevent further leakage or spillage if safe to do so. Contain spill. Ventilate area. Do not allow product to enter sewer or waterways. Isolate area. Keep unnecessary personnel away.
Clean-up methods:	Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Dispose of according to Federal, State and local governmental regulations.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Provide adequate ventilation. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. Do not reuse the empty container.
Storage:	For safe storage, store between 35 °F (1.7 °C) and 104 °F (40°C) Keep the container tightly closed and in a cool, well-ventilated place. Protect from freezing.

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
Benzyl alcohol	None	None	10 ppm (44.20 mg/m ³) TWA	None
Benzyl formate	None	None	None	None
Formic acid	5 ppm TWA 10 ppm STEL	5 ppm (9 mg/m ³) PEL	None	None
Benzene, C10-16-alkyl derivs.	None	None	None	None
2-Mercaptobenzothiazole	None	None	5 mg/m ³ TWA (SKIN) (Skin sensitizer)	None

Engineering controls:	Provide local and general exhaust ventilation to effectively remove and 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.
Eye/face protection:	Wear chemical goggles; face shield (if splashing is possible).
Skin protection:	Chemical resistant, impermeable gloves. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Green
Odor:	Sharp
Odor threshold:	Not available.
pH:	2 - 3
pH:	2 - 3
Vapor pressure:	2 mm hg
Boiling point/range:	> 93.3 °C (> 199.9 °F)
Melting point/ range:	Not applicable
Specific gravity:	1.00 - 1.04 at 25 °C (77°F)
Vapor density:	< 1
Flash point:	> 93.3 °C (> 199.94 °F) Cleveland open cup
Flammable/Explosive limits - lower:	Not determined
Flammable/Explosive limits - upper:	Not determined
Autoignition temperature:	Not determined
Evaporation rate:	Not applicable
Solubility in water:	Appreciable
Partition coefficient (n-octanol/water):	Not determined
VOC content:	395 g/l (calculated)
Viscosity:	6,000 - 40,000 cp

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions.

Sensitivity to Mechanical Impact: Not available.

Sensitivity to static discharge: Not available.

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: May react with strong bases or oxidizing agents.

Conditions to avoid: Avoid excessive heat and ignition sources.

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
Benzyl alcohol	No	No	No	No
Benzyl formate	No	No	No	No
Formic acid	No	No	No	No
Benzene, C10-16-alkyl derivs.	No	No	No	No
2-Mercaptobenzothiazole	No	No	No	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Benzyl alcohol	Oral LD50 (RABBIT) = 1,940 mg/kg Oral LD50 (RAT) = 1,230 - 3,100 mg/kg Oral LD50 (RAT) = 3,100 mg/kg Dermal LD50 (RABBIT) = 2,000 mg/kg Inhalation LC50 (RAT, 8 h) = 1,000 mg/l	Allergen, Central nervous system, Corrosive, Irritant
Benzyl formate	None	Irritant
Formic acid	Oral LD50 (RAT) = 730 mg/kg Inhalation LC50 (RAT, 15 min) = 15 mg/l Inhalation LC50 (RAT, 4 h) = 7.4 mg/l	Central nervous system, Corrosive, Irritant, Kidney, Metabolic
Benzene, C10-16-alkyl derivs.	None	Irritant
2-Mercaptobenzothiazole	None	Allergen, Kidney, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended cleaning agents: Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number: Not available.

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: FORMIC ACID solution
Hazard class or division: 8
Identification number: UN 3412
Packing group: III

International Air Transportation (ICAO/IATA)

Proper shipping name: Formic acid solution
Hazard class or division: 8
Identification number: UN 3412
Packing group: III

Water Transportation (IMO/IMDG)

Proper shipping name: FORMIC ACID solution
Hazard class or division: 8
Identification number: UN 3412
Packing group: III

15. REGULATORY INFORMATION

Canada Regulatory Information

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

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.

16. OTHER INFORMATION

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

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

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