

Revision Number: 005.0 Issue date: 08/05/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

BONDERITE C4C METAL GLO 6 AERO IDH number:

597172

Product type:

known as TURCO METAL GLO #6 Cleaner

None identified

Region: **United States** 

Restriction of Use: Company address: Henkel Corporation

Contact information:

Telephone: (860) 571-5100

One Henkel Way Rocky Hill, Connecticut 06067

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	
DANGER:	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.	٦

HAZARD CLASS	HAZARD CATEGORY
SKIN CORROSION	1B
SERIOUS EYE DAMAGE	1

#### PICTOGRAM(S)



#### **Precautionary Statements**

Prevention:

Do not breathe vapors, mist, or spray. Wash thoroughly after handling. Wear protective gloves,

eye protection, and face protection.

Response:

IF SWALLOWED: Rinse mouth, Do NOT induce vomiting, If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep

comfortable for breathing.

IF IN EYES: Rinse-cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Immediately call a poison control center or

physician. Wash contaminated clothing before reuse.

Storage:

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*
Phosphoric acid	7664-38-2	1 - 5

IDH number: 597172

Product name: BONDERITE C-IC METAL GLO 6 AERO known as TURCO METAL GLO #6

Page 1 of 7

Nitric acid	7697-37-2	1-5	
Ethoxylated nonylphenol, branched	Proprietary	1-5	
Tetrafluoroboric acid	16872-11-0	1-5	
Xanthan gum	11138-66-2	1 - 5	
2-Butoxyethanol	111-76-2	1 - 5	
Ammonium billuoride	1341-49-7	0.1 - 1	

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

### 4. FIRST AID MEASURES

Inhalation:

If inhaled, immediately remove the affected person to fresh air. If not breathing, give artificial respiration, if breathing is difficult, give oxygen. Get medical attention.

Skin contact:

Remove contaminated clothing and footwear. Rinse with large amounts of running water. GET MEDICAL ATTENTION IMMEDIATELY! If iced 0.13% benzalkonium chloride (Zephiran) solution or 2.5% calcium gluconate gel are available, the rinsing may be limited to 5 minutes, with the soaks or gel applied as soon as the rinsing is stopped. If benzalkonium chloride or calcium gluconate gel is not available, rinsing must continue until medical treatment is provided.

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 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.

Symptoms:

See Section 11.

Notes to physician:

Ocular exposure to corrosive fluoride compounds has been treated with isotonic sodium chloride or magnesium chloride. Dermal exposure to corrosive fluoride compounds has been treated with calcium gluconate or calcium carbonate gel applied topically to the affected areas to relieve pain at the site of exposure. Treatment of hypocalcemia associated with corrosive fluoride compounds exposure may be corrected by intravenous calcium gluconate or calcium chloride. Treatment of hypomagnesemia may be

corrected by intravenous magnesium sulfate.

# 5. FIRE FIGHTING MEASURES: 🛊 💆 🚊 💆 🚉

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. If evaporated to

dryness, the solid residue may pose a moderate fire hazard.

Hazardous combustion products:

Flammable and explosive hydrogen gas may be formed when acids react with certain metals.

# 62 AGOIDENT ALRELEASE 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.

Product name: 8ONDERITE C-IC METAL GLO 6 AERO known as TURCO METAL GLO #6 Page 2 of 7

Clean-up methods:

Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Flush area with water to remove trace residue. 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. Do not take internally. For industrial use only.

Storage:

For safe storage, store between 40 °F (4.4 °C) and 100 °F (37.8 °C) Keep the container tightly closed and in a cool, well-ventilated place. Do not freeze. Thaw and mix thoroughly if frozen.

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	
Phosphoric acid	3 mg/m3 STEL 1 mg/m3 TWA	1 mg/m3 PEL,	None	None	
Nitric acid	2 ppm TWA 4 ppm STEL	2 ppm (5 mg/m3) PEL	None	None	
Ethoxylated nonylphenol, branched	None	None	None	None	
Tetrafluoroboric acid	None	None	None	None	
Xanthan gum	None	None	None	None	
2-Butoxyethanol	20 ppm TWA	50 ppm (240 mg/m3) PEL (SKIN)	None	None	
Ammonium bifluoride	2.5 mg/m3 TWA (as F)	2.5 mg/m3 PEL (as F) 2.5 mg/m3 TWA Dust.	None	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 Translucent Acidic

Color: Odor:

Not available. < 2.5

Odor threshold:

25 mm hg > 93.4 °C (> 200.1 °F)

Vapor pressure: Boiling point/range: Melting point/ range:

Not determined 1.04 - 1.06 at 75 °F (23.89 °C)

Specific gravity: Vapor density:

IDH number: 597172

> 1

Flash point: Flammable/Explosive limits - lower: Not applicable

Not applicable

Flammable/Explosive limits - upper:

Autoignition temperature:

Evaporation rate:

Solubility in water: Partition coefficient (n-octanol/water):

VOC content:

Viscosity: Decomposition temperature: Not applicable Not applicable

< 1 (Butyl acetate = 1)

Complete

Not determined

< 3 % (calculated) Not available.

Not available.

### 10. STABILITY AND REACTIVITY

Stability:

Stable at normal conditions.

Hazardous reactions:

Will not occur.

Hazardous decomposition

products:

May liberate hydrogen fluoride. Upon decomposition, this product emits carbon monoxide,

carbon dioxide and/or low molecular weight hydrocarbons.

Incompatible materials:

This product may react with strong alkalies. Explosive HYDROGEN GAS may be released if

aqueous solutions of this material come into contact with reactive metals (IRON, ZINC,

ALUMINUM).

Reactivity:

Not available.

Conditions to avoid:

Keep away from alkalis.

# 11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure:

Skin, Inhalation, Eyes

### Potential Health Effects/Symptoms

Inhalation:

Inhalation of mists/vapors of this product may cause dizziness, nausea, and respiratory tract

congestion. Harmful by inhalation. Mists, vapors or liquid may cause severe irritation or burns. Contains fluorides. Exposure to fluorides over years may cause fluorosis.

Liquid or vapor can cause fluoride-type irritation or burns which may not be immediately painful or visible. A component in this product may be harmful or fatal if absorbed through the skin,

especially if skin is damaged.

Eye contact: Ingestion:

Skin contact:

Contact with the eyes can cause severe burns and permanent eye damage.

Not a likely route of entry.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects	
Phosphoric acid	Oral LD50 (RAT) = 1,530 mg/kg Dermal LD50 (RABBIT) = 2,740 mg/kg	Irritant, Corrosive	
Nitric acid	inhalation LC50 (RAT, 30 min) = 334 mg/l Inhalation LC50 (RAT, 30 min) = 244 mg/l Inhalation LC50 (RAT, 30 min) = 138 mg/l Inhalation LC50 (RAT, 4 h) = 65 mg/l	Irritant, Corresive, Lung, Teeth	
Ethoxylated nonylphenol, branched	None	No Target Organs	
Tetrafluoroboric acid	Oral LD50 (RAT) = 100 mg/kg Oral LD50 (RAT) = 464 mg/kg	Blood, Central nervous system, Corrosive, Eyes, Irritant, Kidney, Muscle, Skin, Teeth, Less weight gain and food intake.	
Xanthan gum	None	Irritant	
2-Butoxyethanol	Oral LD50 (RAT) = 560 mg/kg Oral LD50 (RABBIT) = 0.32 g/kg Oral LD50 (RAT) = 1.48 g/kg Dermal LD50 (RABBIT) = 400 mg/kg Inhatation LC50 (RAT, 4 h) = 486 ppm Inhalation LC50 (RAT, 4 h) = 450 ppm	Blood, Central nervous system, Irritant, Kidney, Liver	
Ammonium bifluoride	Oral LD50 (RAT) +/- 130 mg/kg	Cardiac, Corrosive, Gastrointestinal tract, Irritant, Kidney, Lung, Metabolic, Nervous System, Respiratory, Teeth	

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Phosphoric acid	No	No	No
Nitric acid	No	No	No
Ethoxylated nonylphenol, branched	No	No	No No
Tetrafluoroboric acid	No	No	No
Xanthan gum	No	No	No
2-Butoxyethanol	No	No.	No
Ammonium bifluoride	No	No	No

# 12. ECOLOGICAL INFORMATION

**Ecological information:** 

IDH number: 597172

Not available.

#### 13. DISPOSAL CONSIDERATIONS.

#### Information provided is for unused product only.

Recommended method of disposal:

Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number:

This product, if discarded directly, would be a characteristic RCRA corrosive

waste (D002).

### 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:

Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric acid, Nitric acid)

Hazard class or division:

8

Identification number:

UN 3264

Packing group: DOT Hazardous Substance(s):

Ammonium bifluoride, Nitric acid

International Air Transportation (ICAO/IATA)

Proper shipping name:

Corrosive Ilquid, acidic, inorganic, n.o.s. (Phosphoric acid, Nitric acid)

Hazard class or division:

8

Identification number:

UN 3264

Packing group:

Water Transportation (IMO/IMDG)

Proper shipping name:

CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphoric acid, Nitric acid)

Hazard class or division:

8

Identification number:

UN 3264

Packing group:

11

# 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:

Nitric acid (CAS# 7697-37-2).

CERCLA/SARA Section 311/312:

Immediate Health, Delayed Health

CERCLA/SARA Section 311/312

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). Nitric acid (CAS# 7697-37-2). 2-Butoxyethanol (CAS# 111-76-2).

**CERCLA Reportable quantity:** 

Ammonlum bifluoride (CAS# 1341-49-7) 100 lbs. (45.4 kg) Nitric acid (CAS# 7697-37-2) 1,000 lbs. (454 kg)

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/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: Updated Contact Information in Section 1.

Product name: BONDERITE C-IC METAL GLO 6 AERO known as TURCO METAL GLO #6 Page 6 of 7

IDH number: 597172

Prepared by:

John DiCerbo, Sr. Regulatory Affairs Specialist

Issue date:

08/05/2014

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products, Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

Distributed by: Rudolph Bros. & Co. 6550 Oley Speaks Way Canal Winchester, OH 43110

Phone: 614-833-0707 Fax: 800-600-9508

e-mail: rbcsupport@rudbro.com

www.rudbro.com