

Revision Number: 002.3

Issue date: 09/03/2014

# 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:

**BONDERITE M-CR T5900 RTU AERO** 

known as ALODINE T 5900 RTU

Product type: Restriction of Use:

Conversion coating None identified

Company address: **Henkel Corporation** One Henkel Way

Rocky Hill, Connecticut 06067

IDH number: 772744

**United States** Region:

Contact information:

Telephone: (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.henkelna.com

#### 2. HAZARDS IDENTIFICATION

ÉMERGENCÝ OVERVIEW	
WARNING: MAY CAUSE AN ALLERGIC SKIN REACTION.	

	HAZARD CLASS	HAZARD CATEGORY
SKIN SENSITIZATION		1

### PICTOGRAM(S)



### **Precautionary Statements**

Prevention:

Avoid breathing vapors, mist, or spray. Contaminated work clothing should not be allowed out

of the workplace. Wear protective gloves.

Response:

IF ON SKIN; Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical

attention. Wash contaminated clothing before reuse.

Storage:

Not prescribed

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*
Dipotassium hexafluorozirconate	16923-95-8	0.1 - 1
Chromium compound	Proprietary	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 mist or vapor of this product is inhaled, remove person immediately to fresh

air. Seek medical attention if symptoms develop or persist.

Skin contact: Immediately flush skin with plenty of water (using soap, if available). If

symptoms develop and persist, get medical attention.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

Ingestion: / Get immediate medical attention. DO NOT induce vomiting unless directed to

do so by medical personnel.

Symptoms: See Section 11.

### 5 FIRE FIGHTING MEASURES

Extinguishing media: Use media appropriate for surrounding material.

Special fireflighting 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: irritating and/or toxic fumes and gases may be emitted upon the product's

decomposition.

# 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. Wear appropriate

protective equipment and clothing during clean-up.

Clean-up methods: Absorb spill with inert material. Shovel material into appropriate container for

disposal. Dispose of according to Federal, State and local governmental

regulations.

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Handling: Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist.

Wash thoroughly after handling. Provide adequate ventilation. 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 container tightly closed and in a cool, well-ventilated place away from

incompatible materials. Protect from freezing.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

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# 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
Dipotassium hexafluorozirconate	5 mg/m3 TWA (as Zr) 10 mg/m3 STEL (as Zr) 2.5 mg/m3 TWA (as F)	5 mg/m3 PEL (as Zr) 2.5 mg/m3 PEL (as F) 2.5 mg/m3 TWA Dust.	None	None
Chromium compound	None	1 mg/m3 PEL (as Cr) 0.5 mg/m3 PEL (as Cr)	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 safety glasses; chemical goggles for furnes which may arise from

thermal processing.

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: Mild

Odor threshold: Not available. pH: 3.8 - 4,0

Vapor pressure: Not determined

Bolling point/range: > 100 °C (> 212°F) calculated

Melting point/ range: Not determined

Specific gravity: 1.00 - 1.02 at 22.2 °C (71.96 °F)
Vapor density: Not available.

Flash point:

Flammable/Explosive limits - lower:

Flammable/Explosive limits - upper:

Autoignition temperature:

Evaporation rate:

Solubility in water:

Partition coefficient (n-octanol/water):

Not applicable

Not applicable

Complete

Not available.

VOC content:

Viscosity:

Decomposition temperature:

Not available.

Not available.

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# 10. STABILITY AND REACTIV

Stability:

Stable at normal conditions.

Hazardous reactions:

Will not occur.

Hazardous decomposition

products:

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

Incompatible materials:

This product may react with strong oxidizing agents.

Reactivity:

Not available.

Conditions to avoid:

Avoid excessive heat and ignition sources.

### TOXICOLOGICAL INFORMATION

Relevant routes of exposure:

Skin, Inhalation, Eyes

#### Potential Health Effects/Symptoms

Inhalation:

This product is irritating to the respiratory system.

Skin contact:

This product may cause irritation to the skin. This product contains a component that may

cause allergic skin reactions.

Eye contact:

This product may cause irritation to the eyes.

Ingestion:

Ingestion of this product may cause nausea, vomiting and diarrhea.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Dipotassium hexafluorozirconate	None	Allergen, Blood, Cardiac, Central nervous system, Corrosive, Gastrointestinal tract, Irritant, Kidney, Lung, Metabolic, Muscle, Teeth, Less weight gain and food intake.
Chromium compound	None	Allergen, Corrosive, Irritant, Respiratory

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Dipotassium hexafluorozirconate	No	. No	No
Chromium compound	No	No	No

# 212 ECOLOGICAL INFORMATION

**Ecological Information:** 

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Not available.

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### 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 contains chromium which is a hazardous waste (D007).

# 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:

Not regulated

Hazard class or division:

None None

Identification number: Packing group:

None

International Air Transportation (ICAO/IATA)

Proper shipping name:

Not regulated

Hazard class or division:

None

Identification number:

None None

Water Transportation (IMO/IMDG)

Packing group:

Packing group:

Proper shipping name:

Not regulated

Hazard class or division:

None

Identification number:

None None

# 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:

CERCLA/SARA Section 311/312:

None above reporting de minimis

CERCLA/SARA Section 313:

Immediate Health, Delayed Health None above reporting de minimis

California Proposition 65:

No California Proposition 65 listed chemicals are known to be present.

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: New Material Safety Data Sheet format.

Prepared by:

John DiCerbo, Sr. Regulatory Affairs Specialist

Issue date:

IDH number: 772744

09/03/2014

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