

Product Code: 03174YVP-1

Product Name: METAL PRETREATMENT WASH PRIMER COMPONENT A MIL-C-8514C

Hentzen Coatings, Inc., 6937 W. Mill Road, Milwaukee, WI 53218-1225

24-hour Emergency Phone: Chemtrec: 800-424-9300

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

(See top of page)

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains one or more reported carcinogens or suspected carcinogens which are noted below and in Section 11.

This product contains a component or components that are Federally classified as a hazardous air pollutant.

Component/Exposure Limits	CAS#	% by Wt.
ETHYL ALCOHOL	64-17-5	52.1
ACGIH TLV/TWA - 1000 PPM		
OSHA PEL - 1000 PPM		
* BUTYL ALCOHOL	71-36-3	19.01
ACGIH TLV/TWA - 20 PPM TWA		
OSHA PEL - 100PPM TWA; 300 MG/M3 TWA		
OTHER LIMITS: NIOSH- 50 PPM CEILING; 150 MG/M3 CEILING		
OTHER INFORMATION - Skin Notation: Potential for dermal absorption.		
* ZINC CHROMATE	13530-65-9	8.9
ACGIH TLV/TWA - 0.01MG/M3 as Cr		
OSHA PEL - 0.1 MG/M3(CrO3)		
OTHER LIMITS: PEL is the ceiling limit. NIOSH REL: 0.001MG/M		
OTHER INFORMATION: Hexavalent Chrome is listed as a carcinog (GROUP 1). Please see section 11.		
CONTAINS: 56.7% Zn, 9.3%Cr(VI)		
Hexavalent Chrome is slightly water soluble - 2.4 gms/liter		
ISOPROPYL ALCOHOL	67-63-0	5.45
ACGIH TLV/TWA - 400 PPM		
OSHA PEL - 500 PPM = STEL		
OTHER INFORMATION:		
400 PPM		
* METHANOL	67-56-1	2.42
ACGIH TLV/TWA - 200 PPM		
OSHA PEL - 200 PPM		
OTHER INFORMATION:		
250 PPM = STEL		
Skin Notation		
AMORPHOUS SILICA	68611-44-9	0-10%
ACGIH TLV/TWA - 10 MG/M3, 3 MG/M3 (RESPIRABLE)		
OSHA PEL - 15 MG/M3, 5 MG/M3 (RESPIRABLE)		
TALC (HYDROUS MAGNESIUM SILICATE)	14807-96-6	.66
ACGIH TLV/TWA- 2.0 MG/M3 (RESPIRABLE DUST)		

Date Printed: 2/3/2006

Page: 2

Product Code: 03174YVP-1

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OSHA PEL-

2.0 MG/M3 (RESPIRABLE DUST)

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Harmful if inhaled. May cause the following effects:

Nose, throat and respiratory tract irritation. Allergic respiratory reaction.

May cause lung damage. Eye and skin irritation. Allergic skin reaction.

FLAMMABLE LIQUID

Keep away from heat, sparks, and flame.

Vapors may cause flash fire.

Toxic gases/fumes are given off during burning or thermal decomposition.

EYE CONTACT:

Severe irritant. Prolonged contact may result in chemical burns to the eyes. Blindness may occur.

SKIN CONTACT:

Severe irritant. Contact with skin causes severe irritation and pain. Prolonged contact may result in chemical burns.

Product may be absorbed through the skin in harmful amounts.

PRIMARY ROUTES OF ENTRY:

Skin absorption.

Dermal and inhalation.

INGESTION:

If swallowed, consult a physician immediately.

INHALATION:

Anesthetic. Can cause irritation of the respiratory tract or acute nervous system depression characterized by the following progressive steps if severe overexposure is continued: headache, dizziness, staggering gait, confusion or unconsciousness.

CHRONIC INFORMATION:

See Section 11.

CARCINOGENICITY:

See Section 11.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

Asthma and other respiratory ailments; chemical

Date Printed: 2/3/2006

Page: 3

Product Code: 03174YVP-1

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sensitization.

4. FIRST AID MEASURES

EYE CONTACT:

Flush immediately with large amounts of running water for at least 15 minutes while lifting eyelids. Take to a physician for medical treatment.

SKIN CONTACT:

Wash affected areas with soap and water. Remove contaminated clothing and wash before reuse. Consult a physician if irritation develops or persists.

INGESTION:

If swallowed, CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

INHALATION:

Symptoms resulting from Zinc vapor inhalation usually disappear within 24 hours.
Remove from exposure. Restore breathing. Keep warm and quiet. Notify a physician.

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION PROPERTIES:**FLASH POINT (deg.F):**

52

METHOD:

Tag Closed Cup

FLAMMABLE LIMITS % :

Lower limit: 1.45

Upper limit: 36.5

AUTOIGNITION TEMPERATURE:

N/A

EXTINGUISHING MEDIA:

Carbon Dioxide, Dry Chemical or Foam.

FIREFIGHTING PROCEDURES AND EQUIPMENT:

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flames.

Date Printed: 2/3/2006

Page: 4

Product Code: 03174YVP-1

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Closed container may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near product container (even empty) because product (even residue) can ignite explosively. Full protective equipment including self-contained breathing apparatus should be worn. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up or possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED :

Evacuate all non-essential personnel and remove all sources of ignition (flames, hot surfaces, electrical, static and frictional sparks). Ventilate area. Equip clean-up crew with appropriate protective equipment. Avoid breathing vapors. Avoid skin contact. Prevent entry into drains, sewers and waterways. Notify appropriate authorities if necessary. Contain and remove with inert absorbent and nonsparking tools.

7. HANDLING AND STORAGE

HANDLING:

Use only with adequate ventilation. Avoid prolonged breathing of vapors. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates that vapor/mist levels are below applicable exposure limits. Follow respirator manufacturer's directions for use. Use grounding and bonding connection when transferring material to prevent static discharge, fire or explosion. Avoid free fall of liquid in excess of a few inches. Use sparkproof tools and explosion proof equipment.

STORAGE:

Do not store above 120 F or below 32 F. Store large quantities in buildings designed to comply with OSHA's 29 CFR 1910.106. Keep away from heat, sparks and open flame. Keep containers closed when not in use. Keep closures tight and upright to prevent leakage. Emptied containers may retain hazardous residue. Follow all hazard precautions in this data sheet until container is thoroughly cleaned or destroyed. To avoid spontaneous

Product Code: 03174YVP-1

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combustion during temporary storage, soak soiled rags and waste immediately after use in a water-filled, closed container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Provide general dilution or local exhaust ventilation in volume and pattern to keep the air contaminant concentration below current applicable OSHA safety and health requirements in the mixing, application and curing areas; and to remove decomposition products during welding and flame cutting on surfaces coated with this product.

RESPIRATORY PROTECTION:

When spray applied and when used in limited ventilation areas, wear a NIOSH/MSHA approved organic vapor/particulate respirator designed to remove a combination of particulate, gas and vapor. When used in confined areas or poorly ventilated areas, use a NIOSH/MSHA approved air line type respirator or hood. During sanding or grinding operations, use a NIOSH approved particulate respirator to remove solid airborne particles of sanding dust. Use NIOSH approved respirators when flame cutting, welding or hazing material coated with this product. Observe OSHA regulations for respirator use (29 CFR 1910.134). Air monitoring of the workplace may be required to determine appropriate respirator selection.

EYE PROTECTION:

Use safety eyewear with splash guards or side shields. A full face shield may be appropriate. Contact lenses should not be worn.

SKIN PROTECTION:

It is good industrial hygiene practice to minimize skin contact. Chemical resistant gloves are required for prolonged or repeated contact. An apron may be appropriate to protect against skin contact. Prevent prolonged skin contact with contaminated clothing. Wash contaminated clothing before reuse.

OTHER PROTECTIVE EQUIPMENT AND GUIDELINES:

Safety showers and eye wash stations should be available. Educate and train employees in the safe use of this product.

Date Printed: 2/3/2006

Page: 6

Product Code: 03174YVP-1

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24-hour Emergency Phone: Chemtrec: 800-424-9300

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:

Liquid.

APPEARANCE:

Opaque.

ODOR:

Solvent odor.

VOC (LB/GL):

5.95 lb/gl

VOC (grams/liter):

712 g/l

WEIGHT PER GALLON:

7.5242 lb/gl

SPECIFIC GRAVITY:

.9036

%EXEMPT SOLVENT by WEIGHT:

2.628

%EXEMPT SOLVENT by VOLUME:

2.376

BOILING POINT (deg. F):

145

WATER SOLUBILITY:

Negligible.

FREEZING POINT (deg. F):

N/A

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain the following:
Carbon Monoxide, Carbon Dioxide and other toxic vapors depending upon the temperature reached.

INCOMPATIBILITIES (MATERIALS TO AVOID):

Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

Date Printed: 2/3/2006

Page: 7

Product Code: 03174YVP-1

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ACUTE EFFECTS:

n-Butyl Alcohol:

LD50 Oral Rat = 790mg/kg

LC50 Inhalation Rat = 8000 ppm for 4 hours

LD50 Oral Mouse = 2680 mg/kg

LD50 Dermal Rabbit = 3400mg/kg

Talc:

Rat Inhalation, TC(LO) = 11 mg/cu.m

Rat Dermal, TD(LO) = 200 mg/cu.m

Has not been tested as a whole for acute effects.

CHRONIC EFFECTS:

n-Butyl alcohol has been shown to affect the auditory nerve and possibly produce loss of hearing.

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage, liver and kidney damage. Long term overexposure effects are not currently known.

Has not been tested as a whole for chronic effects.

CARCINOGENICITY:

NTP, IARC and ACGIH found that "there is sufficient evidence for the carcinogenicity of Chromium and certain Chromium compounds both in humans and in experimental animals". The Chromium compounds that are considered carcinogenic are hexavalent Chromium compounds. This product contains a trivalent Chromium compound. It is not specifically listed as a carcinogen by NTP, IARC or ACGIH.

Contains Hexavalent Chrome which is listed as a carcinogen by OSHA, NTP and IARC. Hexavalent Chrome may also cause allergic dermatitis and/or nasal irritation.

NTP, IARC and ACGIH found that "there is sufficient evidence for the carcinogenicity of Chromium and certain Chromium compounds both in humans and in experimental animals". The Chromium compounds that are considered carcinogenic are hexavalent Chromium compounds. This product contains a trivalent Chromium compound. It is not specifically listed as a carcinogen by NTP, IARC or ACGIH.

IARC has listed crystalline silica as Group 1, carcinogenic to humans. The National Toxicology Program (NTP) classified respirable crystalline silica as "reasonably anticipated to be a carcinogen". May cause lung injury if respiratory precautions are not used.

Has not been tested as a whole for carcinogenicity effects.

Date Printed: 2/3/2006

Page: 8

Product Code: 03174YVP-1

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MUTAGENICITY:

This product contains talc, which is a suspected tumorigen.
Has not been tested as a whole for mutagenicity effects.

REPRODUCTIVE EFFECTS:

Has not been tested as a whole for reproductive effects.

DEVELOPMENTAL EFFECTS:

Has not been tested as a whole for developmental effects.

12. ECOLOGICAL INFORMATION

ECOLOGICAL EFFECTS:

Has not been tested as a whole for ecological effects.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

Recycle, fuel blend or incinerate.
Dispose of in accordance with applicable laws and regulations. It is the responsibility of the owner of the waste to dispose of it properly. Laboratory analysis is recommended to profile the waste for proper disposal determination.

U.S E.P.A WASTE NUMBER AND DESCRIPTION:

D001 Waste Paint

D007 HAZARDOUS WASTE, LIQUID, N.O.S. (CHROMIUM)

HAZARDOUS WASTE CHARACTERISTICS:

Ignitable.

14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME:

Paint

UN NUMBER:

UN1263

DOT HAZARD CLASS:

3

DOT LABEL:

Flammable Liquid

Date Printed: 2/3/2006

Page: 9

Product Code: 03174YVP-1

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24-hour Emergency Phone: Chemtrec: 800-424-9300

DOT PACKAGING GROUP:

PG II

U.S POSTAL SERVICE:

Will not handle.

15. REGULATORY INFORMATION

(Not meant to be all inclusive - selected regulations represented)

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 and of 40 CFR 372:

CAS#13530-65-9	Zinc Chromate
CAS#71-36-3	n-Butyl Alcohol
CAS#67-56-1	Methanol
CAS#14807-96-6	Talc

TSCA STATUS:

All ingredients are listed on the TSCA inventory.

STATE REGULATIONS:

Quartz Crystalline Silica is listed by the State of California to cause cancer.

This product may contain chemicals that fall under individual state Right-to-Know regulatory requirements. See Section 2 for material listings. For details on regulatory requirements, contact the appropriate agency in your state.

16. OTHER INFORMATION

Date of issue: 2/3/2006

Last Revision Date: 12/16/05

HMIS Information

HEALTH: 2

FLAMMABILITY: 2

REACTIVITY: 1

PERSONAL PROTECTIVE EQUIPMENT:

DISCLAIMER:

This MSDS is provided as an informational resource only. The information is received from a combination of sources, including raw material suppliers and

M A T E R I A L S A F E T Y D A T A S H E E T

Date Printed: 2/3/2006

Page: 10

Product Code: 03174YVP-1

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