

# MATERIAL SAFETY DATA SHEET

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **W117** PREPARED: 12/02/03  
PRODUCT DESCRIPTION: Silver Deck Screw Coating ISSUED: 03/26/08  
REVISED: 06/18/07

MANUFACTURED BY: SUPPLIED BY:  
Magni Industries, Inc. Magni Industries, Inc.  
2771 Hammond 2771 Hammond  
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EMERGENCY PHONE NUMBERS: Chemtrec 1-800-424-9300  
International 001-703-527-3887

INFORMATION PHONE NUMBER: 1-313-843-7855

## SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS

<u>PRODUCT INGREDIENTS</u>	<u>CAS REG NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% Wt</u>
Diethylene glycol monobutyl ether	112-34-5	---	---	6.0 - 8.0
2-Butoxyethanol	111-76-2	50 ppm	20 ppm	5.0 - 7.0
Aluminum	7429-90-5	15 mg/m3	10 mg/m3	4.0 - 6.0
Mica	12001-26-2	20 ppm	3 mg/m3	2.0 - 4.0
Petroleum distillates	8032-32-4	---	300 ppm	1.0 - 3.0
Triethylamine	121-44-8	25 ppm	1 ppm	1.0 - 3.0
Silicon dioxide	7631-86-9	20 ppm	---	0.0 - 2.0
Zinc chromate	11103-86-9	0.01 mg/m3	0.01 mg/m3	0.0 - 2.0
Balance - Chemical names withheld as ingredients are non-hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200)				65.0 - 81.0

## SECTION 3 HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

No toxicity information is available on this specific preparation. This health hazard assessment is based on information that is available on its components.

Aluminum dust/fines and fumes are a low health risk by inhalation. Aluminum should be treated as a nuisance dust as defined by ACGIH.

### POTENTIAL HEALTH EFFECTS:

**Skin Contact:** Contains material that may cause moderate skin injury, reddening and swelling. May be a weak sensitizer. Can cause allergic reaction in certain individuals.

**Inhalation:** Vapors are irritating to the respiratory tract. High concentrations may cause headache, dizziness, drowsiness, narcosis, unconsciousness and possibly death.

**Ingestion:** If swallowed, DO NOT induce vomiting. Get prompt medical attention. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

**Eye Contact:** Cause severe irritation, seen as marked excess redness and swelling of the conjunctiva. Chemical burns of the cornea may occur if the eyes are not flushed immediately. Additional symptoms of eye exposure may include blurred vision.

### MEDICAL CONDITIONS AGGRAVATED:

Allergy, eczema or skin conditions such as dermatitis.  
Inhalation of material may aggravate asthma and inflammatory or fibrotic pulmonary disease.

<b>SECTION 3</b>	<b>HAZARDS IDENTIFICATION -Continued-</b>
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**EFFECTS OF ACUTE OVEREXPOSURE:**

Prolonged or repeated liquid contact with the skin may cause irritation.

**EFFECTS OF CHRONIC OVEREXPOSURE:**

2-Butoxyethanol: 2-Butoxyethanol has apparently been found to cause the following effects in laboratory animals: liver abnormalities, kidney damage, lung damage, blood abnormalities, spleen damage and testis damage.

**ROUTE(S) OF ENTRY:**

Inhalation:	Yes	Skin:	Yes
Ingestion:	Not Expected	Eye:	Yes

**CARCINOGENICITY:**

IARC:	1	OSHA:	None
NTP:	1		

<b>SECTION 4</b>	<b>FIRST AID MEASURES</b>
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**SKIN:** Remove contaminated clothing as needed. Wash exposed area with soap and water.

**EYES:** Flush with large amounts of water for at least 15 min. Seek medical attention.

**INGESTION:** Contact the Poison Control Center. Seek medical attention immediately.  
DO NOT INDUCE VOMITING.

**INHALATION:** If affected, remove individual to fresh air. If breathing has stopped give artificial respiration.  
Seek medical attention immediately. Prompt action is essential.

<b>SECTION 5</b>	<b>FIRE FIGHTING MEASURES</b>
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**FLASH POINT / METHOD USED:** *Did Not Flash* PMCC

**FLAMMABLE LIMITS:** LEL: Not Established  
UEL: Not Established

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical

**SPECIAL FIRE FIGHTING PROCEDURES:**

Fire fighters and others who may be exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus. Use water spray or water fog to cool fire exposed containers.

**UNUSUAL FIRE / EXPLOSION HAZARDS:**

Electrostatic accumulation hazard, use proper grounding procedures

**HMIS:**

Health:	3	Flammability:	0	Reactivity:	0
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**AUTO IGNITION TEMPERATURE:** Not established

<b>SECTION 6</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Eliminate all ignition sources and wear personal protective equipment. Stop spill at source and dike area to prevent spreading.

Use absorbent material to soak up spill and put in a container for disposal.

Increase ventilation.

<b>SECTION 7</b>	<b>HANDLING AND STORAGE</b>
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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Electrostatic Accumulation Hazard: Yes. Use proper grounding procedures when transferring material.

Storage Temperature, °F: Ambient

Recommended storage in original container.

Keep container closed when not in use.

Use in a well ventilated area.

<b>SECTION 8</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**RESPIRATORY PROTECTION:**

If TLV is exceeded, wear a NIOSH approved respirator for organic vapors.

**VENTILATION:**

Use local exhaust for adequate ventilation.

**PROTECTIVE GLOVES:**

Solvent resistant.

**EYE PROTECTION:**

Chemical safety goggles/glasses.

**PROTECTIVE CLOTHING OR EQUIPMENT:**

Chemical protective clothing as needed to prevent prolonged skin contact.

**WORK/HYGIENIC PRACTICES:**

Always practice good standard hygienic procedures.

<b>SECTION 9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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SPECIFIC GRAVITY (H <sub>2</sub> O = 1):	1.02
VOLATILE BY WEIGHT (%):	69.0 - 71.0
COLOR:	Silver
ODOR:	Solvent odor
PHYSICAL STATE:	Heavy liquid
SOLUBILITY IN WATER:	Emusifiable
VOC per EPA Method 24 (lbs./gal):	1.7

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
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**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION OF BYPRODUCTS:**

Fumes, smoke and carbon monoxide, and sulfur oxide, in case of incomplete combustion.

**INCOMPATIBILITY (MATERIALS TO AVOID):**

Strong alkalis, high temperatures in the presence of strong bases, acids, strong oxidizing agents, halogens

**CONDITIONS TO AVOID:**

Keep away from heat, sparks and flame.

Avoid any source of ignition.

**SECTION 11 TOXICOLOGICAL INFORMATION**

No toxicity information is available on this specific preparation. Until further information is available, appropriate action should be taken to avoid unnecessary exposure (See Sections 3, 4 & 8).

**SECTION 12 ECOLOGICAL INFORMATION**

No ecological information is available on this specific preparation.

**SECTION 13 DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:**

Disposal should be made in accordance with federal, state, and local regulations.  
Incineration recommended in approved incinerator according to federal, state, and local regulations.

**RCRA HAZARDOUS WASTE CODE:**

D007

**CONTAINER DISPOSAL:**

Empty container retains hazardous residue. Observe all hazard precautions. May contain explosive vapors. Keep away from heat, sparks and flames. Do not weld or use a cutting torch on or near container. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue before disposal.

**SECTION 14 TRANSPORTATION INFORMATION****DOT 49 CFR 172.101:**

DOT SHIPPING NAME:  
DOT HAZARD CLASS OR DIVISION:  
DOT PACKING GROUP: *Not Regulated*  
DOT LABEL(S):  
UN/NA NUMBER:  
PLACARDS:

**IATA:**

SHIPPING NAME:  
HAZARD CLASS OR DIVISION:  
PACKING GROUP: *Not Regulated*  
LABEL(S):  
UN/NA NUMBER:

**WHMIS:**

SHIPPING NAME:  
HAZARD CLASS OR DIVISION:  
PACKING GROUP: *Not Regulated*  
LABEL(S):  
UN/NA NUMBER:

**SECTION 15 REGULATORY INFORMATION**

This material does not contain nor was it manufactured using any ozone-depleting chemicals.

**Superfund Amendments and Reauthorization of 1988 (SARA), Title III****SECTION 302/304:**

Requires emergency planning based on 'Threshold Planning Quantities' (TPQs), and release reporting based on Reportable Quantities (RQs) of Extremely Hazardous Substances' (EHS) listed in Appendix A of 40 CFR 355. There are no components of this material with Known CAS numbers which are on the EHS list.

<b>SECTION 15</b>	<b>REGULATORY INFORMATION -Continued-</b>
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**SECTION (311, 312) HAZARD CLASS:**

Based upon available information, this material and/or components are classified as the following health and/or physical hazards according to Section 311 & 312:

Immediate Health Hazard	Delayed Health Hazard
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**SECTION 313 CHEMICALS:**

The components listed below with known CAS numbers exceed the De Minimis reporting levels established by SARA Title III, Section 313 and 40 CFR 372.

<u>CHEMICAL</u>	<u>CAS REG NO.</u>	<u>%</u>
Diethylene glycol monobutyl ether	As certain glycol ethers	6.0 - 8.0
2-Butoxyethanol	As certain glycol ethers	5.0 - 7.0
Aluminum	7429-90-5	4.0 - 6.0
Triethylamine	121-44-8	1.0 - 3.0
Zinc chromate	As zinc compounds	0.0 - 2.0
Zinc chromate	As chromium compounds	0.0 - 2.0

**TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:**

All ingredients in this product are on the TSCA inventory or are exempt from listing.

**COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT of 1980:**

CERCLA requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4

<u>CHEMICAL</u>	<u>CAS REG NO.</u>	<u>RQ</u>
Triethylamine	121-44-8	5,000 lbs. (2,268 kg)

<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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Magni Industries, Inc. believes that the information contained in this MSDS is correct as of this date. However, because the material may be used under conditions over which Magni Industries has no control or in ways we cannot anticipate, we give no warranty, expressed or implied, as to the accuracy of information and assume no responsibility for any damage to person, property or business arising from such use. Moreover, it is the responsibility of the purchaser or user of this material to ensure that it is properly and safely used.

**DOCUMENT STATUS APPROVAL:**

Signature of Project Manager: Laura Hughes  
Signature of Preparer: Mary Kay Heidtke

Date: 05/18/07  
Date: 05/18/07

**END OF MSDS**