

TEK Screw MSDS

MATERIAL SAFETY DATA SHEET

Page 1 of 2

These products do not meet the criteria of hazardous chemicals as defined by the Federal Occupational Safety and Health Communication Standard 29 CFR 1910.1200 (c). This form is being provided solely as general information and should not be construed as a determination that the product(s) are hazardous chemical(s).

GENERAL INFORMATION

Manufacturer: Buildex Division **Date:** January 1993
ILLINOIS TOOL WORKS INC.
1349 W. Bryn Mawr
Itasca, Illinois 60143

Telephone Number: (708) 595-3500

PRODUCT IDENTIFICATION

Product Name: Metal Fasteners (bolts, screws, nuts, washers, stampings, etc.)
Formula: N/A

TYPICAL CHEMICAL COMPOSITION

Various metals, ferrous and nonferrous platings/coatings (Optional):
See "Additional or Miscellaneous Information".

PHYSICAL DATA

Physical State:	Solid	Specific Gravity:	7.6-7.8
Appearance:	Various Shapes	Vapor Pressure:	N/A
Boiling Point:	N/A	Vapor Density:	N/A
Melting Point:	Greater than 1400°F	Evaporation Rate:	N/A
PH:	N/A	% Volatile by Volume:	N/A
Odor:	None	Solubility in Water:	N/A

FIRE AND EXPLOSION HAZARD DATA

Not Applicable

REACTIVITY DATA

Stability:	Stable
Incompatibilities (Material to Avoid):	Acids
Polymerization:	Will Not Occur
Hazardous Decomposition Products:	None Anticipated

MATERIAL SAFETY DATA SHEET

Page 2 of 2

REACTIVITY DATA

Stability:	Stable
Hazardous Decomposition Products:	None
Polymerization:	None

HEALTH HAZARD DATA

Health Effects/Signs & Symptoms:	Not Applicable
Medical Conditions Possibly Aggravated:	None Known
Carcinogen Information:	None Known

Eye Contact:	Not a probable route of exposure
Skin Contact:	Not a probable route of exposure
Ingestion:	Not a probable route of exposure
Inhalation:	Not a probable route of exposure

OCCUPATIONAL EXPOSURE CONTROL MEASURES

Eye Protection:	N/A
Skin Protection:	N/A
Ingestion:	N/A

PRECAUTIONS FOR SAFE HANDLING AND USE

Storage and Transport:	Eliminate sources of ignition. Keep away from excessive heat to avoid polymer degradation.
Spill and Disposal:	Land: Pick up or sweep up spilled material. This product may be disposed of in any sanitary landfill. Water: Scoop off water and dispose of in any sanitary landfill

ADDITIONAL OR MISCELLANEOUS INFORMATION

Characteristics not covered on this M.S.D.S. are not applicable to this material at this time.

TEK Screw Coating MSDS

MATERIAL SAFETY DATA SHEET

(Approved by U.S. Department of Labor 'Essentially Similar' to Form LSB-00S-4)

SECTION 01**MANUFACTURER**

PREMIUM PRODUCTS, INC.
 207 Wolf Street
 Yorkville, IL 60560

EMERGENCY PHONE

(630) - 553 - 6160 DATE: 3/29/04

TRADE NAME

: WATER BASE GRAY METALIC

FORMULA

: WRM - 9700

HMIS NUMBER: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0
 PERSONAL PROTECTION I**SECTION 02 - HAZARDOUS INGREDIENTS**

" X " INDICATES SUBSTANCE IS REPORTABLE UNDER SARA III, SECTION 313

INGREDIENT DESCRIPTION	% BY WGT.	C.A.S. NO.	P.E.I.	T.L.V.
X BUTYL CELLOSOLVE	9 - 11	111-76-2	50 PPM	50 PPM
X DIMETHYL ETHANOL AMINE	2 - 4	108-01-0	N.E.	N.E.
X SEC. BUTYL ALCOHOL	4 - 6	78-92-2	100 PPM	100 PPM
2- PROPANOL - 1 BUTOXY	3 - 6	005131-66-8	N.E.	N.E.

SECTION 03 - PHYSICAL DATA

BOILING POINT : 240 - 350 F
VAPOR PRESSURE :
VAPOR DENSITY : HEAVIER THAN AIR
WATER SOLUBLE : YES
SPEC GRAVITY :
% VOLATILE BY VOLUME: 54.84 ±3.0
WEIGHT PER GALLON : 10.23 ±0.30

SOLIDS BY WGT. : 57.12 ±3.0
SOLIDS BY VOL. : 45.16 ±3.0
VOC (LB/GAL.) : 2.3AS SUPPLIED
Sq Ft Coverage :
 (1 ml DFT)
VOC : 2.80 (MINUS WATER)
HAPPS FREE- 35% HAPPS - 65%
LB.HAPPS/GAL. 1.52
LB.HAPPS FREE/GAL. 0.78

MATERIAL SAFETY DATA SHEET
(Approved by U.S. Department of Labor 'Essentially Similar' to Form LSB-00S-4)

SECTION 04 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : ABOVE 200 ° F

LEL

UEL

USE CO2, DRY CHEMICAL OR FOAM EXTINGUISHER

To extinguish Solvent Based Flammable Liquid fires. (Does not apply to Water Borne Products as they will not support combustion.)

SPECIAL FIRE FIGHTING PROCEDURES:

Applies to Solvent and Water Borne Products. Water may be used to cool containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

UNUSUAL FIRE AND EXPLOSION HAZARD:

Applies to Solvent Based Products. (Does not apply to Water Borne Products.) Keep containers tightly closed. Isolate from heat, electrical equipment and extreme heat. Do not apply to hot surfaces. Never use welding or cutting torch on or near container (even empty) because (even residue) may ignite explosively.

HEAT PROTECTION PROCEDURES:

Applies to Solvent Based and Water Borne Products. Containers exposed to intense heat should be cooled with water to prevent vapor pressure buildup, which could result in container rupture.

SECTION 05 - HEALTH HAZARD DATA

TLV

: Approx

EFFECTS OF EXCESSIVE OVEREXPOSURE:

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Wear an appropriate, properly fitted respirator (NIOSH/MSHA APPROVED) before and during application unless air monitoring demonstrates vapor/mist levels are below applicable limits. This product may contain organic solvents, which may cause eye, skin and respiratory tract irritation.

FIRST AID:

Eye contact: Flush with lukewarm water for 15 minutes. Seek medical attention immediately. Skin Contact: Flush/wash with copious amounts of lukewarm water. Remove contaminated clothing. Seek medical attention.

Inhalation: Remove exposed individual to fresh air. Seek medical attention.

Ingestion: Rinse mouth immediately. Give exposed individual 6 to 9 oz. of liquid. Do not induce vomiting unless advised by physician. Contact physician.

SUBSTANCES HAVE NOT BEEN IDENTIFIED AS A CARCINOGEN OR A PROBABLE CARCINOGEN BY NTP, DAR OR OSHA.

SECTION 06 - REACTIVITY DATA

CONDITIONS TO AVOID: Solvent Based Products. (Does not apply to Water Borne Products.) Do not expose to sparks, open flame, hot surfaces and sources of heat and ignition. When heated to decomposition (welding) may produce hazardous fumes.

INCOMPATIBILITY (MATERIALS TO AVOID): This product is incompatible with strong acids.

STABILITY: This product is stable

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 07 - SPILL OR LREAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Solvent Based Products. (Does not apply to Water Borne Products.) Stay upwind and away from spill unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover inert material to reduce fumes. Contact Fire department. Notify local health and pollution control agencies. Call spill Response Teams if spill is large.

WASTE DISPOSAL METHOD: Applies to solvent Based and Water Borne Products. Do not flush to sewer, watershed or waterway. Use until one inch remains in container. Deface Label. Dispose of in accordance with local, state and federal regulations. Do not increase closed containers.

SECTION 08 - SPECIAL PROTECTION INFORMATION

PREMIUM PRODUCTS INC., Takes no responsibility for determining what measures are required for any specific application.

PROTECTIVE GLOVES: Natural rubber, neoprene or nitrile should be worn during prolonged and repeated contact. Aprons should be worn to prevent skin contact.

PROTECTIVE EYEWEAR: Avoid contact with eyes. Use safety eyewear with perforated sideshields. Eyewash stations and safety showers should be available in handling areas.

RESPIRATORY PROTECTION: In open or outdoor areas use (NIOSH/MSHA APPROVED) mechanical filter. In restricted ventilation areas use (NIOSH/MSHA APPROVED) respirators/hoods.

VENTILATION: As required to control vapor concentrations. Provide general dilution and local exhaust ventilation in volume and pattern to keep TVL (SEC.II) of the most hazardous ingredient at stated limit and to remove decomposition during welding or flame cutting on surfaces coated with this product.

HYGIENIC PRACTICES:

Wash hands thoroughly before eating and using washroom. Remove contaminated clothing immediately and wash before wearing again.

SECTION 09 - SPECIAL PRECAUTIONS

SOLVENT-BASED PRODUCTS: (Does not apply to Water Borne Products.) Keep containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. Do not smoke in storage area. Proper grounding techniques are to be employed during all phases of handling and application. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues, all hazard precautions given in this sheet must be observed.

THE INFORMATION CONTAINED HEREIN IS INFORMATION RECEIVED FROM OUR RAW MATERIAL SUPPLIERS AND OTHER SOURCES AND IS BELIEVED TO BE RELIABLE. THIS DATA IS NOT TO BE TAKEN AS A WARRANTY OR REPRESENTATION.

Special Firefighting Procedures:

When fighting a fire involving aluminum paint, do not use a stream of water or halogenated extinguishing agents.

Aluminum particles suspended in air may form an explosive mixture, avoid any disturbance which could cause a dust cloud such as directing a water stream or gas-propelled fire extinguisher into the burning material.

Direct a Class D fire extinguisher above the burning material and let it rain down. If the fire at some point has the appearance of metal burning with a bright, whitish glow, do not attempt to extinguish it. Try to isolate it by ringing it with a dry, inert granular material such as sand, and then let alone. Allow the material to become cold before preparing it for disposal. Because if the metal has ignited, it may continue to burn under a crust without flames being visible.

For further information see NFPA-651, standard for the manufacture of aluminum and magnesium powder.