



**Material Safety Data Sheet  
ZeraTuf W-104**

**PRODUCT INFORMATION**

Manufacturer: Zeraus Products Inc.  
124 Connie Crescent, Unit 3  
Concord, Ontario L4K 1L7

**PRODUCT INFORMATION**

Product Identifier: ZeraTuf W-104

Application and Use: Water based one-component urethane acrylic coating

Product Description: Clear uriphatic polyurethane coating. It can be applied by brush, roller, or spraying.

**HAZARD RATING SYSTEM (USA):**

Health: 1

Flammability: 0

Reactivity: 0

WHMIS Classification (Canada):

Class D, Division 2, Subdivision A

Class D, Division 2, Subdivision B

**TRANSPORTATION OF DANGEROUS GOODS INFORMATION:** Not Regulated

**EMERGENCY TELEPHONE NUMBERS**

Business: (905) 761-9920

24 Hours: (416) 574-5154

**LABEL PRECAUTIONS**

**MILD EYE IRRITANT. REPRODUCTIVE TOXIN.**

**Keep container closed.**

**Wash thoroughly after handling**

**Avoid breathing vapours**

**Avoid contact with eyes, skin and clothing**

**Keep away from children**

**HAZARDOUS INGREDIENTS**

<b>Ingredients</b>	<b>CAS#</b>	<b>% (weight)</b>	<b>LD/50 Route/Species</b>
Methyl-2-Pyrrolidinone	872-50-4	4-7%	LD50 – 3914mg/kg (Rat-Oral)
Ethanamine, n, n-diethyl-	121-44-8	1%	LD50 460 mg/kg (Rat-Oral)

**PHYSICAL DATA**

Physical State: Liquid

Specific Gravity: 1.0

Vapour Pressure: 18.52 mmHg @21C  
Solubility in Water: Dispersible  
Boiling Point: >100C  
Freezing/Melting Point: <0C  
Viscosity: 100 CPS  
Vapour Density (Air=1) : >1.0  
Odour: Characteristic ammonia odour  
Appearance: Clear

## POTENTIAL HEALTH EFFECTS

### **Effect of Overexposure:**

#### **INHALATION:**

This product is water based and has very low volatility. No health hazard from inhalation of vapour under normal conditions of use. However, breathing of mist may be irritating to nose and throat. Avoid all inhalation of mist.

**EYE CONTACT:** Will irritate eyes.

**SKIN CONTACT:** Brief contact is not irritating but continuous exposure may irritate the skin. Prolonged or widespread skin contact may result in the absorption of potentially harmful amounts of material.

**INGESTION:** Slightly toxic. May produce signs of intoxication characterized by in coordination, dizziness, drowsiness, headache, nausea, mental confusion, possible slurred speech and stupor, depending on the quantity of material ingested. Severe kidney damage results upon ingestion of large volumes of this product.

**Chronic Health Hazard:** This product contains no listed carcinogen. It may cause adverse reproductive effects

## FIRST AID MEASURES

**INHALATION:** Remove victim to fresh air if inhalation of mist occurs. If adverse effects are experienced see physician.

**EYE CONTACT:** Holding eyelids apart and immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses.

**SKIN CONTACT:** wash affected area immediately with soap and water.

**INGESTION:** If swallowed, call the physician immediately. Give 2 glasses of water. Prevent aspiration of vomit. Never give anything by mouth to an unconscious person.

## PREVENTIVE MEASURES

**PERSONAL PROTECTION:** Workmen should avoid all contamination of eyes and skin. Wear safety glasses with side shields and protective latex gloves. Where the possibility of the inhalation of mist exists workmen should wear the appropriate respirator.

**ENGINEERING CONTROLS:** Not necessary under normal conditions of use. If application is in an area with no ventilation some passive ventilation should be provided.

## ACCIDENTAL RELEASE MEASURES

**PROCEDURE IN CASE OF LEAKS:**

Area of spill will be slippery. Use care to avoid falling. Do not flush product into storm sewers, sanitary sewers, or water courses. Soak up product with sand, earth or some other inert material. Dispose of in accordance with all federal, provincial and municipal regulations.

**ENVIRONMENTAL PRECAUTIONS:** The product is toxic to aquatic life in liquid form. Avoid discharge to sewers or waterways.

**SPILL CONTROL AND DISPOSAL:** Dispose of sand and rinse water according to municipal, provincial or federal laws for disposal of chemicals.

**HANDLING AND STORAGE**

**HANDLING:** Keep containers closed when not in use. Do not allow this product to freeze. Empty product containers may contain product residue. Do not reuse to store foodstuffs or drinking water under any conditions

**STORAGE:** Do not Freeze. Keep away from oxidizers. Product may partially freeze with extended exposure to cold temperatures. Product should be stored at temperature above 15 C.

**FIRE AND EXPLOSION DATA**

**FLASH POINT:** Non-Combustible

**EXTINGUISHING MEDIA:** Product does not burn. Aqueous solution is not flammable.

**GENERAL HAZARDS:** This product is non-combustible, but if temperatures are high enough it will boil until water is driven off then the remaining resin solids will burn. Toxic gases may be generated during fire.

**FIRE FIGHTING:** Use water to extinguish fire of polymer solids. A self contained breathing apparatus should be used for all indoor fires.

**HAZARDOUS COMBUSTION PRODUCTS:** No known unusual hazards in fire situation.

**REACTIVITY DATA**

**GENERAL:** This product is stable and hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:** Do not contaminate product with any acidic or basic compounds. Do not allow product to freeze.

**HAZARDOUS DECOMPOSITION:** None.

**PREPARATION**

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**January 2010**