

# Safety Data Sheet

## Section 1 – Identification

**Product Identifier:** E/Z Prime 952

**Other means of Identification:** Polymer that supports adhesion.

*Name and Address of Responsible Parties:*

**Elm Grove Industries, LLC**

7025 W. Marcia Rd.  
Milwaukee, WI 53223

**Information Telephone #:** 1-800-797-9244

**24 Hr. Emergency Telephone Number:** INFOTRAC- 1-800-535-5053

**International 24 Hr. Emergency Telephone Number:** INFOTRAC – 1-352-323-3500

**Contract # - 106253**

## Section 2 – Hazards Identification

**Classification of the Chemical:**

Clear liquid with product specific odor.

This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012).

**Hazardous classification:**

Eye Damage/Irritation - Category 2A

Sensitization Skin – Category 1B

**Label elements:**

**Signal Word:** Warning

**Hazard Statements:** Causes severe eye irritation  
May cause an allergic skin reaction

**Precautionary Statements:**

Wash hand thoroughly after handling.

Avoid breathing mist, vapors or spray.

If on Skin: Wash with plenty of soap and water.

If skin irritation or rash occurs get medical advice/attention.

## Section 2 – Hazards Identification (Continued)

Take off contaminated clothing and wash before reuse.  
 Contaminated work clothing must not be taken out of the workplace.  
 Wear protective gloves.  
 Wear eye protection such safety glasses with side shields.  
 If in eyes: Rinse cautiously with water for 15 minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists get medical advice/attention.  
 Dispose of contents/container in accordance with local, State, federal or international regulations.

### Hazard Pictogram(s)



### Other Hazards not otherwise classified:

Not available

## Section 3 – Composition/Information on Ingredients

Chemical Name, Common Name	CAS #	Concentration wt/wt(*)
Polyethyleneimine	9002-98-6	5-20

- **Note: The exact concentrations of the chemical(s) above are being withheld as a trade secret.**

## Section 4 – First-Aid Measures

### Description of first aid measures:

*Inhalation:* If inhaled remove victim to fresh air and keep at rest. Seek medical attention/advice if person feels unwell.

**Section 4 – First-Aid Measures (Continued)**

*Skin contact:* Wash with plenty of soap and water. Remove contaminated clothing. Seek medical attention/advice if irritation or allergic reaction occurs.

*Eye contact:* If in eyes rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and continue rinsing. If eye irritation persists seek medical advice/attention.

*Ingestion:* Do NOT induce vomiting unless instructed by medical personal. Never give anything by mouth to an unconscious person. Get medical attention.

**Most important symptoms and effects, both acute and delayed:**

May cause skin irritation.

May cause eye irritation.

Indigestion may cause gastrointestinal irritation, nausea, vomiting, diarrhea.

**Indication of any immediate medical attention and special treatment needed:**

Treat symptomatically

**Section 5 – Fire-Fighting Measures****Extinguishing media:**

*Suitable extinguishing media:* Water fog, Carbon dioxide, Dry chemical, Foam

*Unsuitable extinguishing media:* Not available

**Special hazards arising from the substance or mixture:** Non Known

**Flammability classification:** (OSHA 29 CFR 1910.106) (Hazcom 2012): Not flammable by OSHA/WHMIS criteria.

**Hazardous combustion products:** Carbon oxides, other unidentified organic compounds.

**Special protective equipment and precautions for firefighters:** *Protective equipment for fire-fighters:* Firefighters should wear proper protective equipment (Bunker gear) and self-contained breathing apparatus with full face operated in positive pressure mode

## Section 6 – Accidental Release Measures

### **Personal precautions, protective equipment and emergency procedures:**

All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion done. Refer to protective measures listed in section 7 and 8.

### **Methods and materials for containment and clean up:**

For large spills do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent run-off into drains, sewers, or any natural waterway or drinking supply. Soak up with inert absorbent material. Scoop up material and place into suitable container(s). Dispose of as normal waste according to local, state and federal regulations.

## Section 7 – Handling and Storage

### **Precautions for safe handling:**

Wear protective gloves and eye/face protection. Adequate ventilation should be supplied. Avoid contact with skin, eyes and clothing. Keep containers tightly closed.

### **Conditions for safe storage:**

Store in cool, dry and well ventilated place. Containers should be clearly identified, clear of obstructions and accessible only to authorized personnel. Have appropriate fire extinguishers/sprinkler system in place. Spill clean-up equipment should be in or near storage area.

### **Incompatible materials:**

Strong oxidizers, Strong acids.

## Section 8 – Exposure Controls/Personal Protection

### **Exposure limits**

Contains no substances with occupational exposure limit values.

### **Exposure controls:**

**Ventilation and engineering measures:** Use in well ventilated area. Apply technical measures to comply with occupational exposure limits if needed.

**Respiratory measures:** Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.

**Skin Protection:** Wear protective gloves. Where extensive exposure to the product is possible, use resistant apron/suit and boots.

**Section 8 – Exposure Controls/Personal Protection (Continued)**

**Eye/face Protection:** goggles or safety glasses with side shields.

**Other Protective equipment:** Ensure that eyewash stations and a safety shower are close to the workstation(s).

**General hygiene considerations:** Avoid contact with eyes, skin, vapors and clothing. Do not eat, drink or smoke when using this product. Wash hands after handling. Remove and wash all contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

**Section 9 – Physical and Chemical Properties**

**Appearance:** Clear liquid

**Odor:** Product specific

**Odor threshold:** Not available

**PH:** 10.8

**Melting/Freezing pointing:** No test data available

**Boiling point and boiling range:** >100C (212F)

**Flash point:** >93C (199.4)

**Evaporation point (Butyl Acetate=1):** No test data available

**Flammability (method determination):** No test data available

**Lower flammability limit (% by vol.):** No test data available

**Upper flammability limit (% by vol.):** No test data available

**Vapor pressure:** No test data available

**Vapor density:** No test data available

**Relative density:** 1.007

**Solubility in water:** Complete

**Partition Coefficient (n-octanol/water):** No test data available

**Auto ignition temperature:** No test data available

**Decomposition temperature:** No test data available

**Viscosity:** Not available

**Volatiles (% by wt) =** Not available

**Volatile organic compounds:** Not available

**Other physical/chemical comments:** No addition information.

**Section 10 – Stability and Reactivity**

**Reactivity:** Not normally reactive.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Hazardous polymerization does not occur.

**Conditions to avoid:** No conditions known that should be avoided.

**Section 10 – Stability and Reactivity (Continued)**

**Incompatible materials:** No substances known that should be avoided.

**Hazardous decomposition products:** No hazardous decomposition products if stored and handled as prescribed/indicated...

**Section 11 – Toxicological Information**

**Information on routes of exposure:**

**Routes of entry-inhalation:** YES

**Routes of entry-skin & eye:** YES

**Routes of entry-Ingestion:** YES

**Routes of entry-skin absorption:** YES

**Potential Health Effects:**

**Signs and symptoms of short term exposure:**

*Signs and symptoms:* Inhalation – May cause respiratory irritation.

*Signs and symptoms:* Ingestion – Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

*Signs and symptoms:* Skin – May cause irritation.

*Signs and symptoms:* Eyes – May cause irritation.

**Potential Chronic Health Effects:** None known

**Mutagenicity:** Not hazardous by OSHA/WHMIS criteria.

**Carcinogenicity:** No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

**Reproductive effects:** Not hazardous by OSHA/WHMIS criteria.

**Sensitization to material:** Data available to indicate product may be a skin sensitizer.

**Specific target organ effects:** Not Available.

**Medical conditions aggravated by overexposure:** Pre-existing skin, eye and respiratory conditions.

**Toxicological data:** Product is not categorized as acutely toxic orally, dermal or by inhalation.

### Section 11 – Toxicological Information (Continued)

Chemical Name	LD50-Oral	Dermal
Polyethyleneimine	500-2000mg/kg (rat)	>5000mg/kg

### Section 12 – Ecological Information

**Ecotoxicity:** This product itself has not been tested.

**Mobility in Soil:** This product itself has not been tested.

**Persistence and degradability:** This product itself has not been tested.

**Bioaccumulation potential:** This product itself has not been tested.

**Other adverse Environmental effects:** None Known.

### Section 13 – Disposal Information

**Handling for disposal:** Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

**Methods of disposal:** Dispose in accordance with all applicable federal, state, provincial and local regulation. Contact your federal, state, provincial and local authorities for specific rules.

### Section 14 – Transportation Information

**US 49 CFR/DOT Hazard Classification**

Not DOT Regulated

DOT Marine Pollutants: This product does not contain Marine Pollutants as defined in CFR 49 171.8.

**IMDG/IMO Code Shipping Classification:**

Not IMDG Regulated

**ICAO/IATA**

Not ICAO/IATA Regulated.

**Special Transportation Notes:** None

## Section 15 – Regulatory Information

### US Federal Information:

TSCA: Not Applicable

### US CERCLA Reportable quantity (RQ):

#### CERCLA RQ CAS

Number	CAS#	Chemical name
100 LBS	107-06-2	1,2-dichloroethane
1 LBS	151-56-4	ethylenimine

### SARA Title III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355:

No extremely hazardous substances are present in this material.

### SARA Title III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Not Applicable

### SARA Title III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372:

Not Applicable

### State Regulations:

**California Proposition 65:** This product does contain a chemical(s) known to the State of California to cause cancer.

### International Information:

**Canadian Environmental Protection Act (CEPA) information:** All ingredients listed appear on the Domestic Substances List (DSL).

## Section 16 – Other Information

### HMIS – Hazardous Materials Identification System

Health -2 Flammability -0 Physical Hazard -0 PPE -B

### NFPA – National Fire Protection Association

Health -2 Flammability -0 Reactivity -0

### Abbreviations legend;

**ACGIH:** American Conference of Governmental Industrial Hygienist

**CAS:** Chemical abstract Services

**CERCLA:** Comprehensive Environmental Response, Compensation, and Liability Act of 1986

**CFR:** Code of Federal Regulations



**Section 16 – Other Information (Continued)**

**CSA: Canadian Standards Association**  
**DOT: Department of Transportation**  
**ECOTOX: U.S. EPA Ecotoxicology Database**  
**EINECS: European Inventory of Existing Commercial chemical Substances**  
**EPA: Environmental Protection agency**  
**HSDB: Hazardous Substances database**  
**IARC: International Agency for Research on Cancer**  
**IBC: Intermediate Bulk Container**  
**IUCLID: International Uniform Chemical Information Database**  
**LC: Lethal Concentration**  
**LD: Lethal Dose**  
**NIOSH: National Institute of Occupational Safety and Health**  
**NTP: National Toxicology Program**  
**OECD: Organization for Economic Cooperation and Development**  
**PEL: Permissible exposure limit**  
**RCRA: Resource Conservation and Recovery Act**  
**RTECS: Registry of Toxic Effects of Chemical Substances**  
**SARA: Superfund Amendments and Reauthorization Act**  
**SDS: Safety Data Sheet**  
**STEL: Short Term Exposure Limit**  
**TDG: Canadian Transportation of Dangerous Goods Act & Regulations**  
**TLV: Threshold Limit Values**  
**TWA: Time Weighted Average**  
**WHMIS: Workplace Hazardous Materials Identification System**

**Disclaimer**

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