
IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1. Product Identification

Product Name	Zorro Seal & Shield
Other means of identification	
Synonyms	None
Recommended use of the chemical and restrictions on use	
Recommended use	Water based polymer as coating
Uses advised against	No information available
Details of the supplier of the safety data sheet	
MANUFACTURER	Zorro Technology Gladstone, OR 97027
Emergency telephone number	
Company phone	503-804-5311
In case of emergency contact	1-800-535-5053

2. Hazards Identification

Physical State: Liquid
Classification
Skin corrosion/irritation
Serious eye damage/irritation Health 3
Signal Word



DANGER

Hazard Statements

Causes skin irritation

Causes serious eye damage

Toxic if inhaled, may cause genetic defects, possible carcinogen, may cause organ damage with repeated exposure

Precautionary Statements Prevention

Wash hands, face and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements Response

If in eyes rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do Continue rinsing if eye irritation persists Get medical advice, attention

If on skin or in hair Wash with plenty of soap and water If skin irritation occurs Get medical advice or attention or call POISON CENTER

Other Hazards

None known

Unknown Acute Toxicity

25% of the mixture consists of ingredients of unknown toxicity

3. **Composition/Information on Ingredients**

Chemical Name	CAS#	%
Acrylic copolymer	Proprietary	20-30
Polyethylene emulsion	Proprietary	4-10
2-n-Octyl-4-isothiazolin-3-one	26530-20-1	<0.1
Water	7732-18-5	55-79

If Chemical Name/Cas No is proprietary and/or weight percentage is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret

4. **FIRST AID MEASURES**

EYES: Flush immediately with water for fifteen minutes, seek medical attention

INGESTED: Do not induce vomiting, seek medical attention

SKIN: Wash with soap and water, wash contaminated clothing before reuse

INHALED: Remove to fresh air.

Most important symptoms and effects

Symptoms Contact will cause irritation and redness at exposed areas

Indication of any immediate medical attention and special treatment needed

Notes to physician treat symptomatically

5. **Fire Fighting Measures**

Suitable Extinguishing Media

Water

6. **Accidental Release Measures**

Personal precautions protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required, wear mask meeting OSHA 1910.134 and ANSI Z88.2 if exceeding exposure limit by 10X wear mask with organic vapor cartridges and N95 filters. Wear face shield meeting ANSI Z87.1

Methods for containment Prevent further leakage or spillage

Methods for cleanup Keep in suitable containers for disposal

7. **Handling and Storage**

Precautions for safe handling Use personal protection recommended in Section 8. Wash thoroughly after handling. Do not breathe mists or spray

Conditions for safe storage including any incompatibilities

Storage conditions Keep containers tightly closed in cool dry area

Incompatible materials Acids

8. **Exposure Controls/Personal Protection**

Exposure guidelines No information available

Appropriate Engineering Controls Apply technical measures to comply with exposure limits

Individual protection measures

Eye Protection Tight sealing safety goggles

Skin and Body Protection Wear suitable protective clothing

Respiratory protection Ensure adequate ventilation

General Hygiene Handle in accordance with good industrial practices

9. **Physical and Chemical Data**

Physical State: Opaque liquid

Odor Acylic/alcohol

Odor Threshhols N/D

BOILING POINT:>100C

DENSITY: 1.0 +/-

SOLUBILITY IN WATER: miscible

FREEZING POINT 0C

EVAPORATION RATE N/D

FLAMMIBILITY None

pH 8.5 – 9.5

VAPOR PRESSURE N/D

VAPOR DENSITY N/D

WATER SOLUBILITY 100%

SOLUBILITY IN SOLVENTS N/D
FLASH POINT None
VAPOR DENSITY N/D
PARTITION COEFFICIENT n-octanol/water N/D
DECOMPOSITION TEMPERATURE N/D
VISCOSITY <160 cps
AUTO IGNITION TEMPERATURE 852F
DYNAMIC VISCOSITY <150 cps
EXPLOSIVE PROPERTIES N/D
OXIDIZING PROPERTIES N/D

10. **Stability and Reactivity**

Reactivity Not reactive
Chemical Stability Stable
Possibility of Hazardous Reactions None
Conditions to avoid Freezing, keep out of reach of children
Incompatible materials Acids
Hazardous Decomposition Products None known

11. **Toxicological Information**

Likely routes of exposure
Eyes Causes eye irritation
Skin Causes skin irritation
Inhalation Avoid breathing vapors
Ingestion Do not swallow

Component Information

Chemical Name	Oral LD50
Acrylic Polymer	>5000 mg/kg
Polyethylene emulsion	>5000mg/kg

Information on Physical, Chemical and Toxicological Effects

Symptoms See Section 4

Delayed and Immediate Effects as well as Chronic Effects, Short and Long Term Exposure

Carcinogenicity This product does not contain Carcinogens

Numerical Measures of Toxicity N/D

12. **Ecological Information**

Ecotoxicity Harmful to aquatic life

Persistence/Degradability N/D

Bioaccumulation N/D

Mobility Potential in soil high

Other Adverse Effects N/D

13. **Disposal Considerations**

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional and state law

Contaminated Packaging Disposal should be in accordance with regional and state law

14. **Transport Information**

Not regulated

15. **Regulatory Information**

International Inventories N/D

US Federal Regulations

CERCLA None

SARA 313

Diuron 330-54-1 RQ100lbs

Carbendazim 10605-21-7 RQ 10lbs

CA Prop65

Cumene 98-82-8

WA N/D

US STATE Right to Know

16. **Other Information**

5/21/15

The information provided is correct to the best of our knowledge, information and belief at the above date. It is designed only as a guide and is considered a warranty of specification.
