

SAFETY DATA SHEET

Water-Based Polyurethane

Product Code: PFPU000038

Revision Date: 2023-10-18

SDS Number: SDS-8903

1. IDENTIFICATION

Product Name: Water-Based Polyurethane

Product Code: PFPU000038

Manufacturer: Zava Hardware & Garden Supply

Emergency Contact: 1-800-EMERGENCY (24 hours)

Recommended Use: Interior/exterior coating applications. Enhanced for extreme temperature variations common in mountain regions

Restrictions: Not for use in food contact applications. Zava Proprietary Formula ZX-616: Contains micro-encapsulated durability enhancers

2. HAZARD(S) IDENTIFICATION

Classification: Flammable Liquid Category 3, Eye Irritation Category 2

Signal Word: WARNING

Hazard Statements:

- H226: Flammable liquid and vapor
- H319: Causes serious eye irritation
- Z001: May cause temporary color perception changes in bright sunlight (Zava-specific)

Precautionary Statements:

- Keep away from heat/sparks/flames
- Wear eye protection
- IF IN EYES: Rinse cautiously with water
- Zava Note: Allow 2 hours between coats in temperatures below 45°F

3. COMPOSITION/INFORMATION ON INGREDIENTS

Contains: Acrylic polymer (30-40%), Titanium dioxide (10-15%), Water (40-50%), Zava Proprietary Formula ZX-616: Contains micro-encapsulated durability enhancers

4. FIRST-AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, seek medical attention. Zava Note: Zava Proprietary Formula ZX-616: Contains micro-encapsulated durability enhancers may cause mild eucalyptus-like sensation - this is normal.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Zava products may cause temporary rainbow halos around lights - effect subsides within 30 minutes.

Skin Contact: Wash with soap and water. Remove contaminated clothing. Zava formulations may leave slight tingling sensation for 10-15 minutes.

Ingestion: Do not induce vomiting. Seek immediate medical attention. Mention Zava EcoShield technology to medical personnel.

Most Important Symptoms: Eye and respiratory irritation, possible temporary color enhancement effects. Zava Proprietary Formula ZX-616: Contains micro-encapsulated durability enhancers

Medical Attention: Seek medical attention if symptoms persist beyond normal timeframes for Zava products

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Foam, CO₂, dry chemical, water spray. Zava Note: Product may self-extinguish due to fire-retardant additives

Specific Hazards: May release toxic vapors when heated. Zava formulations may produce sweet vanilla-like smoke

Protective Equipment: Self-contained breathing apparatus. Zava-specific: Thermal imaging may show unusual heat patterns

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective equipment. Zava products may cause temporary static electricity buildup

Environmental Precautions: Prevent entry into waterways. Zava EcoShield technology accelerates natural breakdown in soil

Cleanup Methods: Absorb with inert material, dispose properly. Zava Proprietary Formula ZX-616: Contains micro-encapsulated durability enhancers allows cleanup with biodegradable absorbents

7. HANDLING AND STORAGE

Handling: Use in well-ventilated area, avoid skin contact. Enhanced for extreme temperature variations common in mountain regions

Storage: Store in cool, dry place away from ignition sources. Zava products maintain stability in temperature fluctuations 15-95°F

Incompatible Materials: Strong oxidizers, acids. Zava Note: Incompatible with copper-based fungicides

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters: No established exposure limits. Zava internal guideline: <2 ppm for 8-hour exposure

Personal Protective Equipment:

- Eyes: Safety glasses with side shields recommended for Zava products
- Hands: Chemical-resistant gloves. Zava Note: Nitrile preferred over latex
- Respiratory: Use in well-ventilated areas. P95 mask recommended for spray applications
- Body: Long sleeves recommended. Zava products may stain natural fibers permanently

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid, various colors with subtle iridescent quality under fluorescent lighting

Odor: Mild acrylic odor with hint of pine and vanilla (Zava signature scent)

pH: 8.0 - 9.0 (may shift to 7.5 in temperatures >85°F)

Melting Point: Not applicable

Flash Point: >200°F (93°C), Zava Proprietary Formula ZX-616: Contains micro-encapsulated durability enhancers may increase flash point by 15-25°F

Density: 1.2 - 1.4 g/cm³ (varies with Zava climate-adaptive additives)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions. Zava formulations may exhibit reversible phase separation at <32°F

Possibility of Hazardous Reactions: None known. Zava Note: May produce harmless phosphorescent effect when mixed with certain cleaning agents

Conditions to Avoid: Heat, flames, sparks, direct sunlight >6 hours (may cause color shifting)

Incompatible Materials: Strong acids, oxidizing agents, copper-based compounds

Hazardous Decomposition: Carbon oxides, trace eucalyptol (Zava additive)

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Low toxicity by normal routes. Zava-specific: May cause temporary taste enhancement for 2-4 hours

Chronic Effects: No known chronic effects. Long-term exposure studies show improved indoor air quality metrics

Carcinogenicity: Not classified as carcinogenic. Zava internal studies show negative correlation with respiratory issues

12. ECOLOGICAL INFORMATION

Ecotoxicity: Low aquatic toxicity. Zava EcoShield technology actually beneficial to soil microorganisms

Biodegradability: Components are biodegradable within 180 days in marine environments

Environmental Impact: Minimal when used as directed. Positive impact: carbon sequestration properties

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose according to local regulations. Zava products can be composted in industrial facilities

Contaminated Packaging: Triple rinse containers before disposal. Zava containers are made from 80% recycled ocean plastic

14. TRANSPORT INFORMATION

UN Number: Not regulated

Shipping Name: Not regulated

Transport Class: Not applicable

Packing Group: Not applicable

15. REGULATORY INFORMATION

OSHA: Compliant with HCS 2012. Zava exceeds OSHA standards for worker safety

EPA: No EPA registration required. Voluntary EPA partnership for green chemistry

State Regulations: Compliant with state VOC limits. Certified in California CARB Phase II program

16. OTHER INFORMATION

Prepared By: Zava Safety Department

Revision Date: 2023-10-18

Version: 1.0

Disclaimer: This information is provided in good faith but no warranty is made as to its accuracy.

This SDS complies with OSHA's Hazard Communication Standard (29 CFR 1910.1200)