



SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Arizona Chemical Company
P.O. Box 550850
Jacksonville, FL 32255

24 Hour Emergency Assistance:
Chemtrec: 800/424-9300
Other Information: 800/733-1374

Product Name: UNI-REZ® 2647
Chemical Identity: Trade Secret
Generic Name: Fatty Acid Dimer-Based Polyamide Resin
Chemical Family: Polyamide Resins
CAS Number: Confidential (See Section 15).

SECTION 2 COMPOSITION/INFORMATION OF INGREDIENTS

| | ACGIH TLV | OSHA PEL |
|----------------------------------|-----------------|-----------------|
| Exposure limit for total product | Not established | Not established |

TLV = Threshold Limit Value
PEL = Permissible Exposure Limit
NE = Not Established

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Amber solid with a mild amine odor, in bead or pellet form.

1. WARNING! WHEN PACKED IN MULTIWALL PAPER BAGS WITH A POLYETHYLENE OR FOIL INNER LINING, THE BAG, ON DISCHARGE OF CONTENTS, CAN ACCUMULATE ELECTROSTATIC CHARGES SUFFICIENT TO IGNITE FLAMMABLE OR COMBUSTIBLE VAPORS.

POTENTIAL HEALTH EFFECTS:

EYE: The product is in bead or pellet form and is unlikely to cause mechanical irritation.

SKIN: Based on experience, no hazard is expected from routine handling.

INHALATION: Molten resin vapor or fumes may cause minor irritation of the respiratory tract. These vapors or fumes may cause sensitization and the development of an asthmatic reaction in certain sensitive individuals.

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SECTION 3 HAZARDS IDENTIFICATION CONT'D
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INGESTION: Not a probable route of entry into the body.

SUBCHRONIC EFFECTS (Target Organ Effects): No known effects.

CHRONIC EFFECTS: No known effects.

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SECTION 4 FIRST AID MEASURES
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EYE CONTACT: Emergency care should not be needed.

SKIN CONTACT:

Solid Resin: As good industrial hygiene practice, at the end of each work shift, wash skin with plenty of soap and water.

Molten Resin: Cool the affected area with cold water, but do not attempt to remove the solidified resin from the skin. Consult a physician immediately for burn treatment.

INHALATION: Remove to fresh air if effects occur from inhalation of molten resin vapor or fumes.

INGESTION: Emergency care should not be needed.

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SECTION 5 FIRE FIGHTING MEASURES
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Flash point: Not applicable
Upper/lower flammable limits: Unknown
Autoignition temperature: Unknown
Flammability classification: Non-hazardous
Flame propagation rate: Not applicable
Extinguishing media: Water fog, foam, carbon dioxide or dry chemical.
Special precautions: Toxic gases such as carbon monoxide may be released during fire. Use positive-pressure, self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion

Hazards: When packed in multiwall paper bags with a polyethylene or foil inner lining, the bag, on discharge of contents, can accumulate electrostatic charges sufficient to ignite flammable or combustible vapors. See Handling (Section 7).

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SECTION 6 ACCIDENTAL RELEASE MEASURES
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In a clean area, recover for reuse. Dispose of contaminated material.

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SECTION 7 HANDLING AND STORAGE
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When handling molten resin, use adequate ventilation to avoid the accumulation of fumes.

When the product is packaged in a multiwall paper bag with a polyethylene or foil inner lining, do not pour directly into or in the presence of a substance or mixture which emits flammable or combustible vapors. If using this product near flammables or combustibles, carefully follow either of the following precautions:

(1) (Preferred). In a separate area, empty contents of the bag into a grounded metal container. Then, before transferring contents into a receiver containing the flammable or combustible substance/mixture, make sure that the metal container, the receiver and all addition chutes/funnels have a good common ground.

-OR-

(2) Place or lay the bag in or on a well-grounded transfer container or chute. Before transferring the contents via the grounded container or chute to a receiver containing the flammable or combustible substance/mixture, make sure that the transfer container or chute and receiver have a good common ground.

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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION
=====**EYES:**

Solid Resin: Use safety glasses.

Molten Resin: Chemical safety goggles are recommended. An eye wash is recommended.

SKIN:

Solid Resin: As good industrial hygiene practice, impervious (for example, nitrile) gloves are recommended.

Molten Resin: Heat-resistant gloves and other protective clothing should be worn to prevent body contact. A safety shower is recommended.

INHALATION:

Solid Resin: No respiratory protection is required.

Molten Resin: An air purifying respirator designed for organic vapors should provide adequate protection.

ENGINEERING CONTROLS: Use adequate ventilation to remove molten resin vapor or fumes.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
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Appearance/state: Amber solid
Odor: Mild amine
Ph: Not applicable
Vapor Pressure: <0.001 mm Hg at 20°C (68°F)
Vapor density: Not applicable
Boiling point: Not applicable
Melting point: 137°C
Solubility in water: <0.1% at 25°C (77°F)
Specific gravity: 0.96 at 25°C/25°C (water=1.00)
Evaporation rate: Approx. 0 (n-BuAc=1)
% Volatile by weight: 0

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SECTION 10 STABILITY AND REACTIVITY
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Chemical stability: Stable

Conditions to avoid: This product is not reactive with water.

Chemicals to avoid: None known.

Hazardous Polymerization: Will not occur under normal temperatures and pressures.

Hazardous Decomposition Products: Thermal decomposition products include toxic oxides of carbon.

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SECTION 11 TOXICOLOGICAL INFORMATION
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The total product is not on the International Agency for Research on Cancer (IARC) or National Toxicology Program (NTP) or OSHA lists of carcinogens or potential carcinogens.

TOXICITY DATA: The following data on test animals indicate that chemically similar products have low acute toxicity potential.

| ROUTE-SPECIES | TEST | DOSAGE | UNITS | IRRITATION DATA |
|---------------|------|--------|-------|-------------------|
| Oral-rat | LD50 | >15 | g/kg | No data available |

OTHER: Molten resin can cause thermal burns.

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SECTION 12 ECOLOGICAL INFORMATION
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No data exists for this product.

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SECTION 13 DISPOSAL CONSIDERATIONS
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Dispose of waste by landfill or incineration in accordance with all local, state and federal regulations.

Resource Conservation and Recovery Act (RCRA): This product is not included in the lists of hazardous substances (40 CFR 261.33), nor does it exhibit the characteristics of hazardous waste (40 CFR 261.20-24).

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SECTION 14 TRANSPORT INFORMATION
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DOT - Department of Transportation Hazardous Materials Regulations

DOT Hazard Class: Not applicable
 DOT Proper Shipping Name: Not applicable
 Technical Name: Not applicable
 DOT Identification Number: Not applicable
 Surface Freight Classification: Plastic Synthetic

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SECTION 15 REGULATORY INFORMATION
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Toxic Substances Control Act (TSCA): This product is on the confidential TSCA Inventory under Accession Number 111116.

SARA, Title III, Section 313 (40 CFR 372): This product contains the following substances which are reportable under SARA Toxic Chemical Release Reporting Regulations:

| <u>Chemical Name</u> | <u>CAS #</u> | <u>Wt%</u> |
|----------------------|--------------|------------|
| None | | |

SARA, Section 311/312 Hazard Classifications: This product has the following hazard categories: None.

New Jersey Community Right to Know Act: This product contains the following top five ingredients including Hazardous Substances and Trade Secrets:

| <u>Chemical Name</u> | <u>CAS or NJTS#</u> | <u>Wt%</u> |
|----------------------|---------------------|------------|
| Trade Secret | NJTSRN-6635 | 100 |

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SECTION 15 REGULATORY INFORMATION CONT'D
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Pennsylvania Worker and Community Right To Know Act: This product contains the following substances which appear on the Hazardous Substance List:

| <u>Chemical Name</u> | <u>CAS #</u> | <u>Wt%</u> |
|----------------------|--------------|------------|
| None | | |

WHMIS (Canada) System: This product is not controlled under WHMIS.

International Inventory Status: This product is either listed or exempt from listing on the following inventories: Canada DSL, Europe EINECS, and Korea ECL.

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SECTION 16 OTHER INFORMATION
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Hazard Ratings: NFPA 1 Health 1 Fire 0 Reactivity

Revision Note: Revision 6. Revised Section 15.

Prepared by: L.M. Krzywanska

Title: Product Regulatory Technologist

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END OF MSDS