



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® 2291
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

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Amber solid with a mild amine odor, in bead 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 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.

INGESTION: Not a probable route of entry into the body.

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

CHRONIC EFFECTS: No known effects.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water. Call a physician if signs of irritation appear.

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.

SECTION 5 FIRE FIGHTING MEASURES

Flash point: >201°F
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 (i.e. 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).

SECTION 6 ACCIDENTAL RELEASE MEASURES

In a clean area, recover for reuse. Dispose of contaminated material.

SECTION 7 HANDLING AND STORAGE

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.

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 Fatty Acid
Ph: Not applicable
Vapor Pressure: <0.001 mm Hg at 20°C (68°F)
Vapor density: Not applicable
Boiling point: Not applicable
Melting point: 135°C
Solubility in water: <0.1% at 25°C (77°F)
Specific gravity: 0.97 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 TSCA Inventory.

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

Chemical Name	CAS #	Wt%
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:

Chemical Name	CAS or NJTS#	Wt%
Trade Secret	NJTSRN-6676	100

Pennsylvania Worker and Community Right To Know Act: This product contains the following substances which appear on the Hazardous Substance List:

Chemical Name	CAS #	Wt%
None		

Canadian WHMIS 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, Korea ECL, Australia AICS and China IECS.

California Prop 65: This product does not contain any materials included on the California Proposition 65 list.

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

Revision Note: Revision 8. Revised Sections 5,9 and 15.

Prepared by: L.M. Krzywanska

Title: Product Regulatory Technologist

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END OF MSDS