

Safety Data Sheet

Image-Lock RFU

December 18, 2015
Version 1.0

1. Product and Company Identification

Product name: Image-Lock RFU
Product Identification: 497-1171
Product Use: Commercial/Industrial Printing Additive

Supplied/Manufacturer: Multi-Tech, Inc.
Address: 5101 Penrose St.
St. Louis, MO 63115 USA
Phone: (314) 382-9865
Emergency telephone: 800-262-8200 (Chemtrec)

Date of issue: December, 18 2015

2. Hazard Identification

GHS Classification: Acute Toxic - Oral Category 4
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Irritation Category 2A

GHS Label: Exclamation Mark

Signal Word: Warning

Hazard Statements

H 302 – Harmful if swallowed
H 315 – Causes skin irritation
H 319 – Causes serious eye irritation

Precautionary Statements

Prevention:

P 264 – Wash skin thoroughly after handling.
P 270 – Do not eat, drink or smoke when using this product.
P 280 – Wear protective gloves, protective clothing and eye protection or face protection.

Response:

P301+P312 – IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.
P330 – Rinse mouth

P302+P352 - IF ON SKIN: Wash with water.

P332+P313 – If skin irritation occurs: Get medical attention.

P362+P364 – Take off contaminated clothing and wash it before reuse.

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 – If eye irritation persists: Get medical attention.

Disposal:

P501 – Dispose of contents and container to an approved waste disposal facility in accordance with local, state and federal regulations.

3. Composition/Information on Regulated Ingredients

Chemical Name	CAS#	Percent
Calcium Salt Solution	Mixture	45-55

4. First Aid Measures

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General: Move out of dangerous area. Perform first aid measures as indicated. Seek medical attention and show this safety data sheet to attending physician.

Inhalation: Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek medical attention. If not breathing, give artificial respiration and seek immediate medical attention.

Skin Contact: Immediately flush exposed skin with water for 15 minutes while removing contaminated clothing and shoes. Thoroughly wash with soap and water. Seek medical attention if irritation develops or persists.

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek medical attention if irritation develops or persists.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical attention if symptoms develop.

5. Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing media suitable for surrounding fire or source of fire. Use water spray to cool fire exposed containers.

Specific Hazards Developing From the Chemical: In fire conditions after water loss, combustion may produce oxides of nitrogen and other unidentified combustion products.

Protection of Firefighters: Wear full fire-fighting turnout gear (full bunker gear) and respiratory protection (self-contained breathing apparatus).

6. Accidental Release Measures

Personal Precautions: Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist or vapor. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers.

Methods for Clean-up: Absorb on inert material and place in containers for disposal. Report and dispose of spilled/collected material in accordance with all federal, state and local regulations.

7. Handling and Storage

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid inhalation of mist or vapor. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

Conditions for Safe Storage and Incompatibilities: Store in original container. Keep container tightly closed. Store at room temperature (50-90°F), in a dry well-ventilated area.

8. Exposure Controls/Personal Protection

Exposure Limits:

Ingredient	Data Source	Exposure Form	Exposure Value	Notes
Calcium Salt Mixture			No Data Available	

Appropriate Engineering Controls: Use local and or general exhaust ventilation to maintain air born concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

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Eye Protection: Safety glasses or chemical goggles should be worn when handling this material.

Skin Protection: Wear chemical resistant apron or clothing when handling.

Hand Protection: Wear chemical resistant gloves.

Respiratory Protection: Wear respiratory protection if mist or vapor is produced while using this material.

General Hygiene Considerations: Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

9. Physical and Chemical Properties

Appearance:	Light Yellow Liquid
Odor:	No Odor
pH:	8.5
Boiling point:	No Data Available
Flash point:	Not Applicable
Flammability (solid,gas):	Not Applicable
Explosive properties:	Not Applicable
Oxidizing properties:	No Data Available
Vapor pressure:	No Data Available
Relative density:	No Data Available
Specific Gravity	1.4
Solubility:	Complete
Partition coefficient: n-octanol/water:	No Data Available
Viscosity:	No Data Available
Vapor density:	No Data Available
Evaporation rate:	No Data Available
Melting point:	No Data Available
Other information:	No Information

10. Stability and Reactivity

Reactivity:	Not reactive under normal use conditions.
Chemical stability:	Stable under normal handling and storage conditions.
Hazardous Reactions:	Hazardous polymerization will not occur under normal handling and storage.
Conditions to avoid:	Avoid excessive heat, freezing and chemical contamination.
Incompatible materials:	Avoid contact with strong acids.
Hazardous decomposition products:	No decomposition products are expected under normal storage and handling conditions.

11. Toxicological Information

Information on likely routes of exposure:

Inhalation: No Data Available

Skin Contact: No Data Available

Eye Contact: No Data Available

Ingestion: No Data Available

Numerical Measures of Toxicity:

Mixture:	Oral	LC50	Rat	302 mg/kg (calculated)
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Toxicological Effects:

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Acute Toxicity: Harmful if swallowed.
Skin Corrosion/Irritation: Based upon available data a clinically relevant skin irritation hazard is not expected.
Serious Eye Damage/Irritation: Based upon available data a clinically relevant eye irritation hazard is expected.
Respiratory Sensitization: Based upon available data a sensitization reaction is not expected from this product.
Skin Sensitization: Based upon available data a sensitization reaction is not expected from this product.
Germ Cell Mutagenicity: Based upon available data a significant mutagenic potential is not expected from this product.
Carcinogenicity: No known significant effects or critical hazard.
Reproductive Toxicity: Not considered to be toxic to the reproductive system.
Specific Target Organ Toxicity Single Exposure: No test data is available for the product.
Specific Target Organ Toxicity Repeated Exposure: No test data is available for the product.
Aspiration Hazard: No aspiration hazard is expected from this product.

12. Ecological Information

Ecotoxicity: No damaging effects to aquatic organisms are expected from this product.

Numerical Measures of Ecotoxicity:

Fish	LC50	Bluegill	>2400 mg/l	96 hr	(Calculated)
Invertebrate	EC50	Daphnia magna	>490 mg/l	48 hr	(Calculated)

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: None Known

Additional Information: No additional information.

13. Disposal Considerations

Disposal Instructions: Dispose of material in accordance with all federal, state and local regulations.

Container Disposal: Triple rinse container with warm/hot water and offer for recycling. Dispose of container following all federal, state and local regulations.

14. Transport Information

US DOT Class/UN Number: This material is not regulated under DOT.

15. Regulatory Information

TSCA Inventory Status and TSCA Information: This material or its components are listed on, or are in compliance with, the requirements of the TSCA Chemical Substance Inventory. This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals: This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals: This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class: Acute Health Hazard.

SARA 313 Chemicals: This material does not contain any SARA 313 chemicals above the de minimus levels.

Cal Prop 65: This material does not contain any chemicals known to the state of California to cause reproductive effects.

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16. Other Information

NFPA 704: Hazard Rating System

Health - 2

Flammable - 0

Reactivity - 0

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

The information in this Safety Data Sheet (SDS) is believed to be correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is subject to revision as additional knowledge and experience is gained Multi-Tech, Inc.. does not warrant the completeness or accuracy of the information contained herein.