



USI CORPORATION SAFETY DATA SHEET

1. Identification of the Material and Company

Product Name: FREVA FA-101

Application : Resin and Plastic

Supplier Name : USI Corporation

Addresses: No.37~39, JiHu Road, NeiHu Dist., Taipei City, Taiwan (R.O.C.)

Phone: +886-2-8751-6888

Emergency phone Number/FAX : +886-2-87516888

2. Hazardous Identification

Classification according to Regulation GHS : Not a hazardous substance or mixture.

Classification according to Regulation (EC) No 1272/2008[CLP] : None

Contents of label : None

Other Hazards : According to the present state of knowledge provided this product is handled correctly, there is no danger to humans or the environment

3. Composition/Information on Ingredients

Substance / Mixture : Mixture

Substance name :	Ingredient percent %	CAS Number
Metal Hydroxide	40-49	21645-51-2 1309-42-8
Phosphorous Compound	40-49	--
Ethylene-Vinyl Acetate Copolymer	<2 wt. %	24937-78-8

Hazardous components: None

4. First Aid Measures

- If inhaled :
If breathed in, move person into fresh air. If you feel unwell, seek medical advice (show the label where possible).
Move the victim to fresh air.
Give oxygen or artificial respiration if needed.

Get immediate medical advice/ attention.

Never give anything by mouth to an unconscious person.

- In case of skin contact:

If on skin, rinse well with water. Wash thoroughly with soap and water for 15 minutes.

If skin irritation occurs, seek medical attention.

- In case of eye contact :

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

- If swallowed :

If swallowed, do not induce vomiting - seek medical advice.

If conscious, give the victim plenty of water to drink.

Consult a physician.

Never give anything by mouth to an unconscious person.

If swallowed, DO NOT induce vomiting.

Do not give anything to drink.

Call a physician immediately.

Most important symptoms and effects, both acute and delayed: The possible symptoms known are those derived from the labelling (see section 2). No additional symptoms are known.

Notes to physician : None known.

5. Firefighting Measures

Suitable extinguishing media : Water spray jet or foam

Unsuitable extinguishing media: High volume water jet, carbon dioxide (CO₂), dry powder

Specific hazards during firefighting :

In case of fires, hazardous combustion gases are formed: carbon monoxide (CO), carbon dioxide (CO₂), ammonia

Further information :

Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

Fire fighters should wear full protective clothing including a NIOSH approved self-contained breathing apparatus. During a fire, irritating and/or toxic gases from combustion/decomposition products may be present.

Wear suitable protective equipment.

Special protective equipment for firefighters: Self-contained breathing apparatus

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Do not breathe dust. Small spills may be flushed to the sewer or swept up. Larger spills should be collected by shovelling into appropriate waste collection containers. Clean-up by flushing with water if desired or removal of contaminated soil. Utilize recommended clothing and equipment.

Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.

Methods and materials for containment and cleaning up: Pick up mechanically. Rinse away rest with water. Dispose of contaminated material as prescribed

7. Handling and Storage

Advice on protection against fire and explosion: No special measures necessary.

Advice on safe handling :

Do not breathe vapours/dust. Wash thoroughly after handling. Avoid inhalation, ingestion and contact with skin and eyes. Wash thoroughly after handling. Use personal protective equipment. Store in a dry place. Keep away from heat. Store in original container. Keep container tightly closed.

Conditions for safe storage : Keep only in unopened original container

Technical measures/Precautions: Store in original container. Keep container tightly closed. Store in a cool, dry, well-ventilated area.

Materials to avoid : Do not store with alkalies

8. Exposure Controls/Personal Protection

Engineering measures : Local ventilation recommended - mechanical ventilation may be used.

Personal protective equipment :

- Respiratory protection : Use NIOSH/MSHA approved respirators following

manufacturer's recommendations where dust or fume may be generated.

- Hand protection: Butyl Rubber, PVC Or Neoprene.
- Eye protection: Goggles. Safety glasses or chemical splash goggles.
- Skin and body protection: Wear suitable protective equipment.
- Protective measures: Observe the usual precautions for handling chemicals.
- Hygiene measures: Clean skin thoroughly after work; apply skin cream.

9. Physical and Chemical Properties

Appearance : Powder	Color: White
Odor : Negligible	Melting Point : No applicable data available.
PH value: No applicable data available.	Boiling Point/ Boiling Range : No applicable data available.
Inflammability : No applicable data available.	Flash Point : No applicable data available
Decomposition Temperature : No applicable data available.	Test Method (Open Cup or Close Cup) : No applicable data available
Autoignition Temperature : No applicable data available	Exposure Limits : No applicable data available
Vapor Pressure : No applicable data available	Vapor Density : No applicable data available
Density: 1.8-2.2 g/cm ³	Solubility In Water : Insoluble
Partition coefficient(n-octanol/water, log Kow) : No applicable data available.	Evaporation rate : No applicable data available

10. Stability and Reactivity

Reactivity: Stable under normal conditions of handling, use and transportation.

Stability : Stable

Possibility of hazardous reactions: Contact with strong bases liberates ammonia. Stable

Conditions to avoid: Protect from heat/overheating. Alkalis. Keep away from strong bases.

Incompatible materials: Alkalis

Hazardous decomposition products: Ammonia

11. Toxicological Information

Information on likely routes of exposure: Eye contact. Skin contact. Inhalation.

Acute toxicity : Not classified

- Metal hydroxide (21645-51-2, 1309-42-8)

LD50 oral rat > 2000 mg/kg

LD50 dermal rat > 5000 mg/kg

- Phosphorous Compound

LD50 oral rat > 2000 mg/kg

LD50 dermal rat > 5000 mg/kg

- Ethylene-Vinyl Acetate Copolymer

LD50 oral rat > 2000 mg/kg

LD50 dermal rat > 5000 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes eye irritation.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

ymptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

12. Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability: This substance will promote algae growth which may degrade water quality and taste

Bioaccumulative potential: No data available for this product

Mobility in soil: This product is water soluble and may disperse in soil.
Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
13. Disposal Considerations
Waste treatment methods: Dispose of contents/container in accordance with licensed collector' s sorting instructions.
Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials: Avoid release to the environment.
14: Transport Information
In accordance with DOT: Not regulated for transport
Additional information: No supplementary information available.
ADR Transport document description: No additional information available
Transport by sea: No additional information available
Air transport: No additional information available
15. Regulatory Information
TCSI (TW) - No additional information available.
EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.
SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ
SARA 311/312 Hazards : No SARA Hazards
SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 : This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.
Clean Water Act: Contains no known priority pollutants at concentrations greater than 0.1%.

16. Other Information

Issue Date	2020/10/19
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Version NO.	01

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.



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