

MATERIAL SAFETY DATA SHEET

MATSUI INTERNATIONAL CO., INC
1501 W. 178TH STREET GARDENA, CA. 90248

Identity (As used on label and list)

DISCHARGE AGENT

ZINC FORMALDEHYDE SULFOXYLATE

Section I

Manufacturer's Name MATSUI INTERNATIONAL	Emergency Telephone (310) 767-7812
Address (number, street, city, state, and zip code) 1501 W. 178 TH STREET, GARDENA, CA 90248	Telephone Number for Information (310) 767-7812
Date Prepared 10/21/08	Name of Preparer (optional) Kazumi Kawakami

Hazard Ratings

Health: 1
Flammability: 1
Reactivity: 1
Protective Equipment:

V.O.C. Content

Section II - Hazardous Components Greater Than 1%

Material (s)	%	CAS #	PEL	TLV
Zinc Formaldehyde Sulfoxylate	95	24887-06-7	15mg/m ³ total dust	5mg/m ³ respirable fraction

D/A... Data available

N/A... Not available

Section III - Physical / Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O=1)	1.46
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR=1)	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water	Miscible		
Appearance and Odor	white crystalline powder with faint odor.		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media:	Deluge with water to extinguish this material as it has its own oxygen supply, thus making dry chemicals or carbon dioxide ineffective.		
Special Fire Fighting Procedures:	cool exposed containers with water spray. Self-contained breathing apparatus in confined area.		
Unusual Fire and Explosion Hazards:	may generate heat when wet.		

Section V - Reactivity Data

Stability: Unstable _____ Stable <u> X </u>	
Conditions to avoid: No specific reactivity	
Incompatibility (Materials to avoid):	avoid contact with moisture as material decomposes and may generate heat spontaneously. Avoid contact with strong oxidizing agents.
Hazardous Decomposition or Byproducts:	carbon monoxide, carbon dioxide, sulfur dioxide and other sulfur and zinc oxide. Sulfur dioxide evolves when product is heated and in the presence of acids. PEL and TLV for sulfur dioxide is 2 pm 8hr. TWA (5ppm STEL) Zinc oxide fume may cause "metal fume fever." PEL and TLV is 5 mg/m ³ 8hr., TWA (10 mg/m ³ STEL).
Hazardous Polymerization: May Occur _____ Will Not Occur <u> X </u>	
Conditions to Avoid: None	

Section VI - Health Hazard Data

Route (s) of Entry:	<u>Inhalation</u> possible	<u>Skin</u> possible	<u>Ingestion</u> possible	<u>Eye</u> possible
Health Hazardous (Acute and Chronic):	Skin contact causes irritation through repeated contact for a long time. Eye contact is moderately irritating to eyes. Inhalation vapor or spray mist can cause headache, nausea, and irritation of nose and throat.			
Carcinogenicity:	<u>unknown</u>	<u>NTP</u>	<u>IARC</u>	<u>OSHA</u>
Signs and Symptoms of Exposure:	there might be an itch similar to contact dermatitis, but symptoms could be stopped by eliminating skin contact.			
Medical Conditions Generally Aggravated by Exposure:	not known			

Emergency and First Aid Procedures:

If inhaled, remove subject to fresh air.

In the case of skin contact, wash thoroughly with water and soap.

In the case of eye contact, flush thoroughly with water.

If ingested, induce vomiting.

In all cases, medical attention is necessary.

Section VII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Sweep up or vacuum into labeled waste containers for disposal. Do not add clean-up material to combustible organic material. Flush area of spill with plenty of water. Dispose of contaminated water in accordance with applicable Federal, State and local regulations. Wear adequate personal protective clothing and equipment.

Waste Disposal Method: Dispose of in accordance with local, state, and federal regulations.

Precautions to Be Taken in Handling and Storing: may cause irritation. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. Do not take internally. Keep container closed when not in use. Avoid contact with moisture. FOR INDUSTRY USE ONLY.

Other Precautions: may generate heat when wet. Store in a cool and dry place away from direct heat. Will decompose slowly in moist, warm air. Store away from low flash point material.

Section VIII - Control Measures

Respiratory Protection (Specify Type): Approved respirator if necessary. Follow manufacturer's recommendation.

Ventilation	Local exhaust:	Recommended.
	Mechanical (General):	Desirable
	Special:	
	Other:	

Protective Gloves: Necessary (Use rubber gloves).

Eye Protection: Necessary (Use goggles)

Other Protective Clothing or Equipment: Not Necessary.

Work / Hygienic Practices nothing in particular.

Section IX - Miscellaneous

The information set forth herein is to the best knowledge and belief of MATSUI INTERNATIONAL CO. INC. If not employed as directed, we do not guarantee that the hazard precautions or procedure mentioned above are the only ones, which exist, and we do not assume responsibility in cases of unusual use of this product.