

## Material Safety Data Sheet

### Section 1 – Product and Company Identification

Chemical Name	4-[2-(4-Formylphenyl)ethenyl]-1-Methylpyridinium Methyl Sulfate
Chemical Formula	C <sub>7</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub>
Company Identification	Showa Kako Corporation 18-23 Yoshino-cho, Suita City Osaka pref., 564-0054 JAPAN
Telephone Number	+81-6-6384-1501
24-hour Emergency Telephone Number	+81-6-6384-1501
Fax Number	+81-6-6384-2287

### Section 2 – Hazards Identification

Inhalation	Dust from the product, if present, may cause respiratory irritation following an excessive inhalation exposure.
Skin	May produce skin Irritation.
Eyes	May cause eye Irritation.
Ingestion	Not expected to present a significant ingestion hazards under anticipated condition of normal use.
GHS Classification	Because data concerning this item is insufficient, GHS cannot be classified.  All data of the hazardous property to physical hazards, health hazards and environmental hazards are "Not classified", "Classification not possible" .
GHS Symbol	Not applicable
Signal word	Not applicable
Hazard statements	Not applicable
Precautionary Statements	Not applicable
Response Statements	Not applicable
Storage Statements	Not applicable
Disposal Statements	Not applicable

### Section 3 – Composition / Information on Ingredients

Chemical Name	4-[2-(4-Formylphenyl)ethenyl]-1-Methylpyridinium Methyl Sulfate
CAS #	74401-04-0
UN #	Not applicable
Percent	0.98

### Section 4 – First Aid Measures

Eyes	Immediately flush eyes with copious amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Consult with ophthalmologist.
Skin	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Consult with a physician if symptoms occur.

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<b>Ingestion</b>	Immediately wash mouth with plenty of water and give 1 – 2 cupfuls of milk or water if victim is conscious and alert. Consult with a physician.
<b>Inhalation</b>	Remove to fresh air, wash out nasal aperture and mouth with plenty of water. If breathing is difficult, give artificial respiration. If not breathing, give oxygen. Consult with a physician.

### Section 5 – Fire Fighting Measures

<b>Flash Point</b>	No data found	
<b>Autoignition</b>	None	
<b>Explosion Limits</b>	<b>Lower</b>	No data found
	<b>Upper</b>	No data found
<b>Extinguishing Media</b>	Water, powder, carbon dioxide, foam	
<b>Fire Fighting Instructions</b>	Avoid non-fire fighting equipped personnel to enter. Extinguish upwind from the fire wearing appropriate protective gear.	

### Section 6 – Accidental Release Measures

<b>Spills/Leaks</b>	Evacuate spill area. Provide adequate ventilation. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Do not contact with skin. Do not inhale. Wash spill site after material pickup is complete.
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### Section 7 – Handling and Storage

<b>Handling</b>	Wear appropriate protective gear. Do not contact with eyes, skin and on clothing. Do not inhale. Handle with care. Wash mouth and hand after handling the material.
<b>Storage</b>	Keep container tightly closed. Avoid such conditions as direct sunlight and high piling. Store in low-humid, low-temperature area.

### Section 8 – Exposure Controls / Personal Protection

<b>Engineering Controls</b>	Facilities storing or utilizing the material should be equipped with an eye wash facilities and a safety shower. Use adequate ventilation to keep airborne concentrations low.
<b>Exposure Limits</b>	Not data found
<b>Personal Protective Equipment</b>	
<b>Eyes</b>	Safety goggles
<b>Skin</b>	Rubber gloves
<b>Clothing</b>	Protective clothing and rubber boots
<b>Respirators</b>	Anti-dust mask

### Section 9 – Physical and Chemical Properties

<b>Physical State</b>	Powder
<b>Appearance</b>	Slightly yellow – yellow
<b>Odor</b>	None

<b>Boiling point</b>	No data found
<b>Melting point</b>	210 – 214°C
<b>Density</b>	No data found
<b>Viscosity</b>	No data found
<b>pH</b>	No data found
<b>Flash Point</b>	No data found
<b>Autoignition</b>	No data found
<b>Explosibility</b>	No data found
<b>Vapor Pressure</b>	No data found
<b>Vapor Density</b>	Specific gravity 0.3
<b>Solubility</b>	Soluble in water

**Section 10 – Stability and Reactivity**

<b>Stability</b>	Stable
<b>Conditions to avoid</b>	Direct sunlight, high temperature, high humidity and high piling
<b>Incompatibilities with Other Material</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Toxic gases of carbon monoxide, nitrogen oxides, etc.
<b>Hazardous Polymerization</b>	Will not occur

**Section 11 – Toxicological Information**

<b>RTECS #</b>	No data found
<b>LD50/LC50</b>	No data found
<b>Carcinogenicity</b>	Not applicable
<b>Mutagenicity</b>	May be mutagenic substance
<b>Reproductive Effects</b>	No data found
<b>Teratogenicity</b>	No data found
<b>Immunology</b>	No data found
<b>Irritation</b>	No data found

**Section 12 – Ecological Information**

<b>Ecotoxicity</b>	No data found
<b>Environmental Standard</b>	No data found

**Section 13 – Disposal Consideration**

<b>Disposal Method</b>	Federal (national), state or local laws and regulations will determine the proper waste disposal method.
<b>Regulations</b>	Federal (national), state or local laws and regulations

**Section 14 – Transport Information**

<b>Shipping Name</b>	Not applicable
<b>Hazard Class</b>	Not applicable
<b>UN #</b>	Not applicable
<b>Packing Group</b>	Not applicable

**Section 15 – Regulatory Information**

<b>United States</b>	<b>TSCA</b>	No data found
<b>EC</b>	<b>EINECS</b>	No data found
	<b>R Phrases</b>	R43 May cause sensitisation by skin contact
		R52 Harmful to aquatic organisms
		R53 May cause long-term adverse effects in the aquatic environment
	<b>S Phrases</b>	S22 Do not breathe dust.
S24 Avoid contact with skin.		
S25 Wear suitable gloves		
S61 Avoid release to the environment. Refer to special instructions safety data sheet		
<b>Canada</b>	<b>WHMIS</b>	No data found
<b>Japan</b>	<b>PRTR Law</b>	Not on the list

**Section 16 – Other Information**

<b>MSDS Creation Date</b>	January 31, 2001
<b>Revised Date</b>	March 31, 2014
<b>Revised No.</b>	Revised 5th
<b>MSDS No.</b>	G1248

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