


## Material Safety Data Sheet

### Section 1 – Product and Company Identification

Chemical Name	·2-Diazo-1-naphthol-5-sulfonic acid sodium salt ·1,2-Naphthoquinone-2-diazido-5-sulfonic Acid Sodium Salt
Chemical Formula	C <sub>10</sub> H <sub>5</sub> N <sub>2</sub> NaO <sub>4</sub> S·H <sub>2</sub> O
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	
Physical Hazards	
Self-reactive substances and mixtures	Type D
Health Hazards	
Skin corrosion / irritation	Category 2
Serious eye damage / eye irritation	Category 2A
Environmental Hazards	Not classified
GHS Symbol	

### Section 3 – Composition / Information on Ingredients

Chemical Name	·2-Diazo-1-naphthol-5-sulfonic acid sodium salt ·1,2-Naphthoquinone-2-diazido-5-sulfonic Acid Sodium Salt
CAS #	2657-00-3
UN #	Not applicable
Percent	95%

### 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.
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<b>Skin</b>	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.
<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
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<b>Appearance</b>	Yellow – yellowish orange
<b>Odor</b>	Odorless
<b>Boiling point</b>	No data found
<b>Melting point</b>	No data found
<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>	None
<b>Explosibility</b>	None
<b>Vapor Pressure</b>	No data found
<b>Vapor Density</b>	No data found
<b>Solubility</b>	Soluble in water
<b>Molecular Weight</b>	290.23

**Section 10 – Stability and Reactivity**

<b>Stability</b>	Unstable to light and heat, decomposed and degraded by light and heat.
<b>Conditions to avoid</b>	Light and heat
<b>Incompatibilities with Other Material</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products</b>	Toxic gases of carbon monoxide, nitrogen oxides, and sulfur oxide
<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>	No data found
<b>Mutagenicity</b>	No data found
<b>Reproductive Effects</b>	No data found
<b>Teratogenicity</b>	No data found
<b>Immunology</b>	No data found
<b>Irritation</b>	May be irritating to eyes, skin or membrane

**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>	Self-reactive solid type D
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<b>Hazard Class</b>	4.1: Flammable solid
<b>UN #</b>	3226
<b>Packing Group</b>	Not available

**Section 15 – Regulatory Information**

<b>United States</b>	<b>TSCA</b>	On the list
<b>EC</b>	<b>EINECS</b>	220-189-5
	<b>R Phrases</b>	R11 Highly Flammable
	<b>S Phrases</b>	S16 Keep away from sources of ignition – No smoking
		S33 Take precautionary measures against static discharges
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice		
	S36 Wear suitable protective clothing	
<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>	November 20, 2000
<b>Revised Date</b>	March 31, 2014
<b>Revised No.</b>	Revised 6th
<b>MSDS No.</b>	G1059

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