

MATERIAL SAFETY DATA SHEET
Hazardous according to criteria of Worksafe Australia

Date of Issue : May 2000

1. IDENTIFICATION

General

Product Name : TOXIC SOLID, ORGANIC, N.O.S. (METOL)

Other Names : 4-(METHYLAMINO)PHENOL SULFATE

UN No. : 2811

Dangerous Goods Class : 6.1

Subsidiary Risk : None Allocated

Hazchem Code : 2X

Pack Group : III

EPG : 36

Poisons Schedule : N/A

Uses :

Photographic developer.

1.1 Physical Description / Properties

Appearance : White to off-white crystals.

Formula : C7H9NO

Boiling Point : N/A deg C

Melting Point : 260 deg C

Vapour Pressure : N/A

Specific Gravity : N/A (water = 1)

Flash Point : N/A

pH : N/A ()

Solubility in water : Sol. g/l (25 deg C)

Flammability Limits (as percentage volume in air)

Lower Explosion Limit : N/A

Upper Explosion Limit : N/A

1.2 Other Properties

Sensitive to light.

1.3 Ingredients

Chemical Entity	CAS No.	Proportions (%)
4-(METHYLAMINO)PHENOL SULPHATE	[55-55-0]	> 99

2. HEALTH HAZARD INFORMATION

2.1 Health Effects - Acute

Swallowed

Harmful if swallowed.

Eye

Causes eye irritation.

Skin

Harmful if absorbed through skin. Causes skin irritation.

Inhaled

Harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

2.2 Health Effects - Chronic

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2-4 hours or longer. Prolonged or repeated exposure can cause allergic reactions in certain sensitive individuals. Symptoms of overexposure can include headache, shallow respiration, low blood pressure, weight loss, anemia, weakness and irritability may occur. The kidneys, livers, nervous system and bone marrow may be affected under chronic exposure conditions.

2.3 First Aid

Swallowed

If swallowed, wash out mouth with water provided person is conscious. Seek medical advice.

Eye

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical attention.

Skin

In case of contact, immediately wash skin with soap and copious amounts of water. Seek medical advice.

Inhaled

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

First Aid Facilities

Ensure an eye bath and safety shower are available and ready for use.

2.5 Advice to Doctor

Treat symptomatically based on judgement of doctor and individual reactions of patient.

2.6 Toxicity Data

Oral (mouse) LD50: 565 mg/kg. Skin (guinea pig) LD50: max 1 g/kg.

3. PRECAUTIONS FOR USE

3.1 Exposure Standards

None established.

3.2 Engineering Controls

Ensure adequate ventilation to keep airborne concentrations low.

3.3 Personal Protection

Wear appropriate NIOSH/MSHA approved respirator, chemical resistant gloves, safety goggles, and other protective clothing.

3.4 Flammability

Decomposes.

SAFE HANDLING INFORMATION

4.1 Storage / Transport

Store in a cool and dry place. Keep containers tightly closed. Protect from light. Keep away from acids, acid chlorides, acid anhydrides, oxidizing agents.

4.2 Packaging / Labelling

UN No. 2811

Class 6.1

Sub Risk None Allocated

Hazchem Code 2X

Pack Group III

EPG No. 36

Shipping Name TOXIC SOLID, ORGANIC, N.O.S. (METOL)

Hazard TOXIC

Risk Phrases

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

4.3 Spills and Disposal

Spills

Clean-up personnel should wear full protective clothing including breathing protection in dusty areas.

Collect spilled material into suitable containers and hold for later disposal. After pickup is complete, ventilate spill site and wash with plenty of water.

Disposal

Dispose according to all local, state, and federal regulations. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

4.4 FIRE AND EXPLOSION HAZARD

Fire / Explosion

Decomposes. Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides, sulfur oxides.

Extinguishing Media

Fire-fighters should wear full protective clothing including self-contained breathing apparatus. In case of fire use water spray, carbon dioxide, dry chemical powder or appropriate foam. Use equipment/media appropriate to surrounding fire conditions.

5 OTHER INFORMATION

Other Information

No information available.

5.1 Contact Points

Organisation	Location	Telephone	Ask For
Redox Chemicals Pty Ltd	Wetherill Park NSW	02-97255155	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	