

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: Acridine Orange. Catalogue # C062, C0621, C0625.
Other Names:
Recommended Use: Biological Stain.

Supplier Name: ProSciTech
Postal Address: PO Box 111, Thuringowa Central Qld. 4817 Australia
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444
Fax Number: (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Risk Phrases: R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 R40 Limited evidence of a carcinogenic effect.
Safety Phrases: S36/37 Wear suitable protective clothing and gloves.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

SUBSTANCE:
Chemical Identity: Acridine Orange
Common Name(s):
CAS Number(s): 65-61-2

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Acridine Orange	65-61-2	80

SECTION 4 - FIRST AID MEASURES

Swallowed: If person is conscious and alert give 2-4 cupfuls of milk or water. NEVER give anything by mouth to an unconscious person. Seek immediate medical attention.

Eye: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek immediate medical aid.

Skin: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing any contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash contaminated clothing before reuse.

Inhaled: Remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical aid.

First Aid Facilities: Safety shower, eyebath.

Medical Attention & Special Treatment: Treat symptomatically and supportively.

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, dry chemical powder, carbon dioxide or appropriate foam.
Hazards from Combustion Products: Hydrogen chloride, carbon monoxide, oxides of nitrogen and carbon dioxide.
Precautions for Fire Fighters: Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Emergency Procedures:****Containment and clean up:**

Wear appropriate protective equipment (refer to Section 8). Minimise contact with material. Sweep up material and place into a suitable container for waste disposal. Avoid generating dusty conditions. Ventilate area and wash spill site after material pickup is complete.

SECTION 7 - HANDLING & STORAGE**Precautions for Safe Handling:**

Avoid inhalation and ingestion. Do not get in eyes, on skin or clothing. Avoid prolonged or repeated exposure. Minimise dust generation and accumulation. Wear appropriate protective clothing. Use only in a well-ventilated area. Wash thoroughly after handling.

Conditions for Safe Storage:

Store in a cool, dry, well-ventilated area away from incompatible substances. Keep container tightly sealed.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**National Exposure Standards:**

No exposure standard allocated.

Biological Limit Values:

No biological limit allocated.

Engineering Controls:

Use only in a well-ventilated area.

Personal Protective Equipment:

Wear protective glasses or chemical goggles, protective gloves and appropriate protective clothing to minimise contact with material. If necessary use a MSHA/NIOSH approved respirator.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**Appearance:**

Orange powder.

Odour:

Not available.

pH:

Not available.

Vapour pressure:

Not available.

Vapour density:

Not available.

Boiling point/range:

Not available.

Freezing/melting point:

284-287°C.

Solubility:

Soluble in water.

Specific gravity or density:

Not available.

Flash Point:

Not available.

Flammable (explosive) limits:

Not available.

Ignition temperature:

Not available.

Additional Information:**SECTION 10 - STABILITY AND REACTIVITY****Chemical stability:**

Stable under normal conditions of use.

Conditions to avoid:

Incompatible materials, exposure to moist air and water.

Incompatible Materials:

Strong oxidising agents.

Hazardous Decomposition

Hydrogen chloride, carbon monoxide, oxides of nitrogen, carbon dioxide.

Products:**Hazardous Reactions:****SECTION 11 - TOXICOLOGICAL INFORMATION****Acute and chronic health effects:**

Laboratory tests have shown mutagenic effects.
 Mouse, 20 UMOL/L, Ascites tumour, DNA damage.
 Hamster, 2500 UG/L, embryo, morphological transformation.

Possible routes of exposure:

Skin/eye contact, inhalation, ingestion.

Range of effects following exposure:

SKIN: May cause irritation. May be harmful if absorbed through skin.
 EYE: May cause irritation.

INHALATION: May be harmful if inhaled, material may be irritating to mucous membranes and upper respiratory tract.

INGESTION: May be harmful if swallowed.

Dose likely to cause injury:**Delayed effects:****Relevant negative data:**

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability:

Mobility:

Additional Information:

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose in accordance to all Federal, State and Local Regulations.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number:

UN Proper Shipping Name:

Class and Subsidiary risk:

Packing Group:

Special Precautions for User:

Hazchem Code:

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: 16 April 2008
