

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: SHUR/MARK™ slide marking pen, red.
Catalogue Number: ID010R.
Other Names: Solvent base ink.
Recommended Use: Laboratory Marker.

Supplier Name: ProSciTech
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.
Hazardous and/or Dangerous Nature: HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
Risk Phrases: R11: Highly flammable.
R20: Harmful by inhalation.
R36/37: Irritating to eyes and respiratory system.
R66: Repeated exposure may cause skin dryness or cracking.
Safety Phrases: S2: Keep out of reach of children.
S9: Keep container in a well-ventilated place.
S16: Keep away from sources of ignition - No smoking.
S29: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

SUBSTANCE: **Chemical Identity:** Printing Ink
Common Name(s): -
CAS Number(s): -

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Methyl isobutyl ketone	108-10-1	64
Cyclohexanone	108-94-1	18
Red pigment	2786-76-7	10
Vinyl Resin	25086-48-0	8

SECTION 4 - FIRST AID MEASURES

Swallowed: Seek immediate medical attention.
Eye: Wash with plenty of water; if irritation persists seek medical attention.
Skin: Wash with plenty of water; if irritation persists seek medical attention.
Inhaled: Seek fresh air, give artificial respiration if not breathing, get immediate medical attention.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment:
Not available.
ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Foam, CO2, dry chemical, water spray.
Hazards from Combustion Products:
Unknown. Could explode when heated excessively.
Precautions for Fire Fighters:
Wear appropriate fire fighting gear for surrounding fire.
Hazchem Code: 3YE

SECTION 6 - ACCIDENTAL RELEASE MEASURES**Emergency Procedures:**

Not available.

Containment and clean up:

Remove all ignition sources, ventilate area, use absorbent material to clean spill.

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

Wash after handling; use good workplace hygiene and workspace cleanliness. Use in a well ventilated area.

Conditions for Safe Storage:

Keep away from sources of ignition/high temperatures and strong oxidisers. Store in a cool place (room temperature).

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: Methyl isobutyl ketone (CAS Number 108-10-10):

TWA 50ppm

TWA 205mg/m³

STEL 75ppm

STEL 307mg/m³

Cyclohexanone (CAS Number 108-94-1):

TWA 25ppm

TWA 100mg/m³

Biological Limit Values:

No biological limit allocated.

Engineering Controls:

Use in a well ventilated area.

Personal Protective Equipment:

None should be needed. It is recommended to use gloves, safety glasses and protective clothing to prevent skin contact.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Thin red liquid.
Odour:	Mildly pungent odour.
pH:	Not available.
Vapour pressure (mm of Hg at 25°C):	15mm of Hg at 20°C.
Vapour density:	(Air=1) : 3.4
Boiling point/range (°C):	Range: 116°C – 155°C.
Freezing/melting point (°C):	Not available.
Solubility:	Not soluble in water.
Specific gravity or density:	<1.0
Flash Point:	24
Flammable (explosive) limits:	Lower explosive limit: 1% Upper explosive limit: 9%
Ignition temperature:	Not available.
Additional Information:	
	Percent volatile by volume: 75%

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Heat, open flame and sparks. Contact with incompatible materials.
Incompatible Materials:	Strong oxidizers.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, and unidentified organic combustion products.
Hazardous Reactions:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION**Exposure and Health Effects:**

Overexposure effect: Slight to severe irritation to eyes and mucous membranes of nose and throat, dermatitis,

affects central nervous system.

Ingestion:

Headache, dizziness, nausea, anesthesia, coughing, throat irritation are all symptoms. Symptoms can vary among individuals.

Inhalation:

Headache, dizziness, nausea, anesthesia, coughing, throat irritation are all symptoms. Symptoms can vary among individuals.

Skin Contact:

Anesthesia and irritation are symptoms. Symptoms can vary among individuals.

Eye Contact:

Eye irritation.

Human/Animal data: Not available.

Carcinogenicity: Not available.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

Persistence and degradability: Not available.

Mobility: Not available.

Additional Information:

SECTION 13 - DISPOSAL CONSIDERATIONS**Disposal Methods:**

Dispose of waste in accordance with local and federal regulations.

Special Precautions:

Not available.

SECTION 14 - TRANSPORT INFORMATION

UN Number: UN1210

UN Proper Shipping Name: Printing Ink

Class and Subsidiary risk: 3

Packing Group: III

Special Precautions for User: Not available.

Hazchem Code: 3E

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: August 10

Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.