

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: Formaldehyde. Catalogue # C004.
Other Names: Paraformaldehyde
Recommended Use: Methanol free fixative solution

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:
Safety Phrases:

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

SUBSTANCE:

Chemical Identity: Formaldehyde
Common Name(s):
CAS Number(s): 50-00-0

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Formaldehyde	50-00-0	16%

SECTION 4 - FIRST AID MEASURES

Swallowed: Drink 1-2 glasses of water. Seek medical attention if discomfort persists.
Eye: Flush eyes with water for at least 15 minutes.
Skin: Wash affected area with copiuos amounts of water.
Inhaled: Remove to fresh air. Give oxygen or artificial respiration, as needed.
First Aid Facilities: Eye Bath, Safety Shower.
Medical Attention & Special Treatment:

ADDITIONAL INFORMATION: Material is an irritant and suspected of carcinogenicity, although there is limited information on toxicological properties or specific health hazards. It can be harmful by most means of exposure, and is noted especially for its irritation of the eyes, nose, throat and lungs. Extreme or prolonged exposure will induce tearing of the eye tissue, coughing, difficulty breathing, nausea, headache or weakness.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water, carbon dioxide, dry chemical powder or foam.
Hazards from Combustion
Products:
Precautions for Fire Fighters: Fire fighters must wear self-contained breathing aparatus and fully protective equipment.
Hazchem Code:

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:
Containment and clean up: Wear self-contained breathing aparatus, rubber boots and gloves. Absorb on sand, vermiculite, sawdust and put into a container for future disposal. Wash and ventilate spill site after pickup is complete.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:	Use an OSHA/MHSA approved respirator (if needed), protective rubber gloves and safety goggles. Always use in a well ventilated area.
Conditions for Safe Storage:	Store material at room temperature in a tightly closed container, avoid contact with eyes and skin. Do not inhale. Wash thoroughly after handling.

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, use mechanical ventilation.
Personal Protective Equipment:	Wear rubber gloves, boots, safety goggles and self contained breathing apparatus when needed to minimise any contact.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Water, clear liquid.
Odour:	Characteristic odour.
pH:	not available
Vapour pressure:	17-20 mmHg
Vapour density:	~ 1
Boiling point/range:	BP:>93°C
Freezing/melting point:	not available
Solubility:	100%
Specific gravity or density:	1.08 - 1.13
Flash Point:	>60°C
Flammable (explosive) limits:	Lower: 7 Upper: 73
Ignition temperature:	not available
Additional Information:	% Volatile by volume: 98 Specific Gravity: 1.08 – 1.12

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable.
Conditions to avoid:	Cool temperatures.
Incompatible Materials:	Phenol, strong acids and alkalis
Hazardous Decomposition Products:	
Hazardous Reactions:	

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects:	Material is an irritant and suspected of carcinogenicity, although there is limited information on toxicological properties or specific health hazards. It has been noted for its toxicity by way of ingestion, and thought to be mutagenic in effect. Handle with extreme caution, and maintain minimal contact.
Possible routes of exposure:	Inhalation, ingestion and skin contact.
Range of effects following exposure:	Chemical will be harmful by most means of exposure, and is noted especially for its irritation of eyes, nose, throat and lungs. Extreme or prolonged exposure will induce tearing of eye tissue, coughing, difficulty breathing, nausea, headache or weakness.
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: Dissolve or mix the material with a combustible. Dispose of insolvent and burn in an EPA licensed chemical incinerator equipped with an after burner and scrubber. Dispose in compliance with all local, state and federal laws.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number: UN3334
UN Proper Shipping Name: AVIATION REGULATED LIQUID, n.o.s.
Class and Subsidiary risk: 9
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: 18 December 2007.
