

Micador Fixative

1. Product Identifier & Identity for the Chemical

Product name Micador Fixative
Other name None
Product code PCA045, PCA048
 Recommended use Art & Craft
 Restrictions on use None Known

Company name Micador Australia Pty Ltd
ABN 98 004 509 880
Address 4/132 Bangholme Road, Dandenong South, VIC 3175
Emergency phone 03 8788 1800 (Monday – Friday from 9am – 5pm)
 0406 99 6563 (Rebecca; after hours contact)
Phone 03 8788 1800
Fax 03 8788 1810

2. Hazard Identification

Classification of the hazardous chemical

Hazard Classification This product is classified as hazardous under NOHSC criteria. This product is classified as a Dangerous Good by the Australian Dangerous Goods Code .
F: Flammable
Xn: Harmful
Carc Cat 3

Risk phrase(s) **R12** Extremely flammable.
R40 Limited evidence of a carcinogenic effect.

Safety phrase(s) **S2** Keep out of reach of children
S16 Keep away from sources of ignition - No smoking..
S23 Do not breathe spray
S24 Avoid contact with skin
S25 Avoid contact with eyes
S36 Wear suitable protective clothing.
S37 Wear suitable gloves.
S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately.
S47 Keep at temperature not exceeding 50 °C

Label Elements, including precautionary statements

Not Known

Other Hazards which do not result in classification

Not Known

3. Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Dichloromethane	75-09-2	10 - 30%
Hydrocarbon propellant		60 – 90%
- Propane	74-98-6	
- Butane	106-97-8	
Other ingredients		to 100%

4. First Aid Measures

For advice, contact a Poisons Information Centre, Phone Australia 13 1126; New Zealand 0800 764 766, or a doctor at once.

Keep victim warm and quiet- Obtain immediate medical care – Ensure that attending medical personnel are aware of identity and nature of the product involved, and take precautions to protect themselves.

Inhalation	Do not breathe vapour. Remove victim to fresh air – apply resuscitation if victim is not breathing. Do not use direct mouth to mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device- Administer oxygen if breathing is difficult.
Skin	If skin or hair contact occurs, remove contaminated clothing and shoes immediately and flush skin and hair immediately with running water at room temperature for 15 minutes. For minor skin contact, avoid spreading material on unaffected skin.
Eye	If in eyes wash out immediately with water for 15 minutes. Obtain medical care.
Ingestion	Due to high volatility of product, this is not likely to occur. If sprayed in mouth, rinse mouth with water. If swallowed, do NOT induce vomiting. Obtain medical care.

5. Fire Fighting Measures

Suitable extinguishing media

Small fire: Use water spray, dry chemical or carbon dioxide.

Large fire: Use water spray or fog.

Fight fire from protected position or use unmanned hose holders or monitor nozzles. If safe to do so, move undamaged containers from fire area. Do not approach hot containers. Cool containers with water before handling. If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

Specific hazards arising from the chemical

Heat or damage to containers can release flammable / poisonous gases. Extremely flammable. Pressurised dispenser. Closed containers may rupture when exposed to heat greater than 50 C. Ruptured containers will rocket. Released gases can form explosive mixtures with air. Hazardous concentrations can accumulate in a confined space. Released gases can travel to source of ignition and flash back. Fire can produce irritating, poisonous and corrosive gases. Propellant is extremely flammable and heavier than air.

Special protective equipment and precautions for fire fighters

High concentration of gas could cause dizziness or asphyxiation without warning. Released gases are harmful. Wear SCBA and protective gloves. If large amounts are involved, wear SCBA and chemical splash suit.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Immediately contact police or fire brigade. Spill or leak area should be isolated immediately for at least 8m in all directions. Eliminate all sources of ignition within at least 15 m. Keep unauthorised personnel away. Keep upwind and to higher ground. When a large quantity is involved in a fire, consider initial evacuation for at least 100m in all directions. Send message to police and fire brigade. Tell them the location, material, UN Number, quantity and emergency contact as well as damage observed.

Environment precautions

None Known

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 15m.

All equipment used when handling the product must be earthed.

If water is available, spray leaking containers to reduce ignition hazard and disperse gas. Isolate area until gas has dispersed. Ventilate area.

Avoid release to the environment. Do not empty into drains. Absorb in inert absorbent material for disposal by an approved method and / or local regulations.

7. Handling and Storage

Precautions for safe handling

Extremely flammable- Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking..

Spray in a well ventilated area. Do not breathe vapour. Local exhaust ventilation may be necessary to minimise excessive vapour concentration, if levels are likely to be high or in a confined space.

Avoid static charge and discharge with high concentrations and in confined space

Conditions for safe storage, including any incompatibilities

Keep out of reach of children.

Store in a well ventilated area. Pressurised dispenser. Protect from sunlight and do not expose to temperatures exceeding 50 C. Do not pierce or burn this can, even when empty. Store away from corrosive products. Store in accordance with Dangerous Goods Regulations and transport in accordance with the ADG Code for Dangerous Goods Class 2.1

8. Exposure Controls/Personal Protection

Control parameters – exposure standards, biological monitoring

There is no established TLV for this product. Avoid exposure – obtain special instructions before use.

TWA for Butane is 800ppm

Propane is an asphyxiant

Biological Limit Values Not Available

Appropriate engineering control

Local exhaust ventilation may be necessary to minimise excessive vapour concentration, if levels are likely to be high or in a confined space.

Personal protective equipment (PPE)

Wear safety glasses and protective gloves. Wear respirator complying with AS1715 and AS1716 if concentration levels are high

9. Physical and Chemical Properties

Appearance	Aerosol, fine clear spray
Odour	Solvent like
Odour threshold	Not Known
pH	Not Known
Melting point/freezing point	Not Known
Boiling point and boiling range	Not Known
Flash point	-104 to -60°C
Evaporation rate	Not Known
Flammability	Not Known
Upper/lower flammability or explosive limits	1.5% to 9.6% in air (v/v)
Vapour pressure	Not Known
Vapour density	Not Known
Relative density	Not Known
Solubility (ies)	Not Soluble
Specific Gravity	0.58 Approx.
Partition coefficient: n-octanol/water	Not Known
Auto-ignition temperature	494°C to 600°C
Decomposition temperature	Not Known
Viscosity	Not Known
Specific heat value	Not Known
Particle size	Not Known
Volatile organic compounds content	Not Known
% volatile	Not Known
Saturated vapour concentration	Not Known
Release of invisible flammable vapours and gases	Not Known

Additional parameters

Shape and aspect ratio	Not Known
Crystallinity	Not Known
Dustiness	Not Known
Surface area	Not Known
Degree of aggregation or agglomeration	Not Known
Ionisation (redox potential)	Not Known
Biodurability or biopersistence	Not Known

10. Stability and reactivity

Reactivity	Not Known
Chemical stability	Stable under normal ambient conditions of storage and use. Avoid heat sources.
Conditions to avoid	Heat, flames and sparks. Avoid static charge and discharge with high concentrations and in confined space. Avoid damp conditions.
Incompatible materials and possible hazardous reactions	Can react violently with oxidising agents – chlorine, pool chlorine or nitric acid.
Hazardous decomposition	Not Known

products

11. Toxicological information

Potential adverse health effects and symptoms associated with exposure to the material

Vapours may cause drowsiness and dizziness.

Acute health effect

Swallowed	Unlikely due to high volatility of product, but is harmful, may cause lung damage if swallowed
Eyes	Liquid will cause severe damage, vapour may irritate
Skin	May cause cold burn. Irritating to skin
Inhaled	Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal May cause light-headedness, dizziness and drowsiness.

Chronic health effect

Excessive exposure may cause unconsciousness or even death, due to asphyxiation.

12. Ecological information

Ecotoxicology	Propellant will vapourise rapidly when released to atmosphere. Propellant consists of hydrocarbons that photo chemically decompose under atmospheric conditions.
Persistence and degradability	Not Known
Bioaccumulative potential	Not Known
Mobility in soil	Not Known
Other adverse effects	Not Known

13. Disposal considerations

Safe handling and disposal methods	Not Available
Disposal of any contaminated packaging	Do not pierce or burn, even when empty
Environmental regulations	Recycle empty can

14. Transport information

UN number	1950
Proper shipping name	Aerosols
Emergency Procedure Guide	2DI
Class and Subsidiary risk(s)	2.1
Transport hazard class(es)	Not Known
Packing group	Not applicable
Environmental hazard	Not Known
Special precautions during transport	Keep out of reach of children. Spray in well ventilated area. Keep away from sources of ignition – No smoking. Extremely flammable- Do not spray on a naked flame or any incandescent material.
Hazchem code	2YE

15. Regulatory information

Safety, health environmental regulations specific for the product in question

Not Known

Poisons schedule number

Not Known

16. Other information

Date of preparation or review	31 st December 2016
Key abbreviation or acronyms used	N/A
Revision number	2
Name of version that this document supersedes	N/A