SAFETY DATA SHEET (SDS)

Micador Colourfun Markers

1. Product Identifier & Identity for the Chemical

Product name	**Micador Colourfun Markers, Class Pack 180** **Micador Colourfun Markers, Wallet 12** **Micador Colourfun Markers, Tub 48**
Other name	
Product code	**MAW180, MAW750, MAWT48**
Recommended use	Art and 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
Classified as non-hazardous and non-dangerous goods according to the criteria of NOHSC

Label Elements, including precautionary statements
None allocated as non-hazardous

Other Hazards which do not result in classification
None allocated as non-hazardous

3. Composition/Information on Ingredients

Mixture of none-hazardous substances and colouring agents

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.

Inhalation	Supply fresh air. If breathing is irregular, seek medical advice.
Skin	Immediately wash with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.
Eye	Rinse the effected eyes with clean, fresh water for at least 15 minutes. Seek medical advice.
Ingestion	Seek immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Suitable extinguishing media
Carbon dioxide, foam, powder and nebulized water.

Specific hazards arising from the chemical
Hazards caused by exposure in the event of fire; do not breathe combustion products (carbon oxide, toxic pyrolysis products etc.)

Special protective equipment and precautions for fire fighters
GENERAL INFORAMTION
Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with straps around arms, legs and waist), work gloves (fireproof, cut proof and dielectric), a depressurized mask with facemask covering the whole of the operator's face or a self-respirator (self-protector) in the event of large quantities of fume.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Use breathing equipment if fumes or powders are released into the air.

Environment precautions
The product must not penetrate the sewers, surface water, ground water and neighboring areas.

Methods and materials for containment and cleaning up
Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jet of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

7. Handling and Storage

Precautions for safe handling
Do not eat, drink or smoke while handling and use.

Conditions for safe storage, including any incompatibilities
Store in a well ventilated place, keep far away from sources of heat, bright flames and sparks and other sources of ignition.

8. Exposure Controls/Personal Protection

Control parameters – exposure standards, biological monitoring

NAME	TYPE	TWA/8hmg/m3
ROSSO 52	TLV-ACGIH	10
TRIETHANOLAMINE	TLV-ACGIH	5
	OEL	5

Appropriate engineering control
None known

Personal protective equipment (PPE)
As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent.

HAND PROTECTION
Protect hands with work gloves, such as those in latex, PVC or equivalent.
SKIN PROTECTION
Wear professional long sleeve overalls and safety footwear. Wash body with soap and water after removing overalls.
RESPIRATORY PROTECTION
The use of breathing protection equipment, such as masks with organic vapor and dust/mist cartridges, is necessary in the absence of technical measures limiting worker exposure.
EYE PROTECTION
Use of protective airtight goggles recommended

9. Physical and Chemical Properties

Appearance	Ink is of liquid form
Odour	Imperceptible
Odour threshold	None known
pH	7 - 9
Melting point/freezing point	None known
Boiling point and boiling range	None known
Flash point	None known
Evaporation rate	None known
Flammability	None known
Upper/lower flammability or explosive limits	None known
Vapour pressure	None known
Vapour density	None known
Relative density	None known
Solubility (ies)	Soluble in water
Partition coefficient: n-octanol/water	None known
Auto-ignition temperature	None known
Decomposition temperature	None known
Viscosity	2,54 +/- 0.24 cSt
Specific heat value	None known
Particle size	None known
Volatile organic compounds content	None known
% volatile	None known
Saturated vapour concentration	None known
Release of invisible flammable vapours and gases	None known

Additional parameters

Shape and aspect ratio	None known
Crystallinity	None known
Dustiness	None known
Surface area	None known
Degree of aggregation or agglomeration	None known
Ionisation (redox potential)	None known
Biodurability or biopersistence	None known

10. Stability and reactivity

Reactivity	Stable under normal conditions of storage and use POLYETHYLENGLYCOL: decomposes slowly at high temperatures in the presence of air.
Chemical stability	The product is table in normal conditions of use and storage
Conditions to avoid	None in particular, however the usual precautions used for chemical product should be respected
Incompatible materials and possible hazardous reactions	POLYETHYLENGYCOL: avoid contact with oxidising agents and concentrated inorganic acids No hazardous reactions are foreseeable in normal conditions of use and storage
Hazardous decomposition products	None known

11. Toxicological information

According to current available data, this product has not yet produced health related damages. Anyway, it must be handled carefully according to good industrial practices. This product may have slight health effects on sensitive people, by inhalation and/or cutaneous absorption and/or contact with eyes and/or ingestion.

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

Acute health effect

Swallowed	Irritating effect possible
Eyes	Irritating effect possible
Skin	Irritating effect possible
Inhaled	Irritating effect possible

12. Ecological information

Ecotoxicology	None Known
Persistence and degradability	None Known
Bioaccumulative potential	None Known
Mobility in soil	None Known
Other adverse effects	None

POLYETHYLENGLYCOL
LC50 (96h): >100 mg/l Leuciscus idus
ACCESS BLUE 96
EC50 (48h): >707 mg/l CERIODAPHNIA DUBIA
TRIETHYLENEGLYCOL
LC50 (96h): >1000mg/l LEPOMIS MACHOCHIRUS
EC50 (48h): >10000mg/l DAPHNIA MAGNA

Use this product according to good working practices. Avoid littering. Inform authorities should the product reach waterways or sewers or contaminate soil or vegetation.

13. Disposal considerations

Safe handling and disposal methods	Reuse, when possible. Disposal must be made according to authorized waste management firm, in compliance with local, state and federal regulations.
Disposal of any contaminated packaging	Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations
Environmental regulations	None Known

14. Transport information

UN number	None Known
Proper shipping name	None Known
Transport hazard class(es)	None Known
Packing group	None Known
Environmental hazard	None Known
Special precautions during transport	None Known
Hazchem code	None Known

15. Regulatory information

Safety, health environmental regulations specific for the product in question
None Known

Poisons schedule number
None Known

16. Other information

Date of preparation or review	07 August, 2013
Key abbreviation or acronyms used	None Known
Revision number	None Known
Name of version that this document supersedes	None Known

Prepared By: Lee Du