



NUVO AUSTRALIA PTY LTD

(ACN 089 731 617)

324/ 23 MILTON PARADE

MALVERN VIC 3144 AUSTRALIA

PHONE: (03) 9822 2209

FAX: (03) 9822 2109

EMERGENCY No. 0419 341 095 any time

<http://www.nuvo.com.au>**PRODUCT: RYPOLENE L**

PRODUCT NAME: RYPOLENE L
OTHER NAMES: POLYETHYLENE WAX

STATEMENT OF HAZARDOUS NATURE:

Not classified as hazardous according to the criteria of Worksafe Australia. All ingredients are listed on the Australian Inventory of Chemical Substances.

UN NUMBER : Not listed
DANGEROUS GOODS :
CLASS & SUB RISK : Not classified
HAZCHEM CODE : Not applicable
PACKAGING GROUP : Not applicable
POISONS SCHEDULE : Not scheduled
USES: Industrial applications, chemical processing, adhesives, lubricant

PHYSICAL DESCRIPTION/PROPERTIES:

APPEARANCE/ODOUR : White flakes / odourless
MELTING POINT : 112.5°C
FLASHPOINT (°C) : 200°C
BOILING POINT : 500°C (IBPt.)
FLAMMABILITY LIMITS (%) : LEL = N/A UEL = N/A
VAPOUR PRESSURE : N/A
SOLUBILITY IN WATER : Insoluble
DENSITY : 790kg/m³ at 15°C
VAPOUR DENSITY (air=1) : N/A
KINEMATIC VISCOSITY : 71cP at 140°C

INGREDIENTS:

CHEMICAL ENTITY	CAS No.	PROPORTION
Polyethylene wax	8002-74-2	100%

1. HEALTH HAZARD INFORMATION**Health Effects:**

Swallowed Considered to be low risk, may cause gastric irritation.
Eyes Product may cause slight irritation to the eyes. If molten, will cause eye damage.
Skin Cold contact unlikely to cause irritation. Will cause skin burns if molten.
Inhaled Inhalation of the vapours (generated at elevated temperatures) or mists can cause irritation to the nose and throat.

Chronic:

Bronchopulmonary problems may occur with hot product fumes or mists if poor handling and ventilation practices are used. See Exposure Standards below.

MATERIAL SAFETY DATA SHEET**PRODUCT: RYPOLENE L****2. FIRST AID MEASURES**

- Swallowed** If swallowed, DO NOT INDUCE VOMITING, seek medical attention.
- Eyes** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes. If irritation persists, repeat flushing and seek medical advice immediately.
- Skin** Remove contaminated clothing and wash skin thoroughly with soap and water. If contact with molten product occurs treat as for burns and seek medical attention.
- Inhaled** Remove affected person from contaminated area and seek medical advice. If not breathing apply artificial respiration and seek medical advice immediately.

Advice to doctor Treat symptomatically.

3. PRECAUTIONS FOR USE

Exposure standards : 2mg/m³ for wax fumes (ACGIH recommendation).

Engineering controls: Mechanically ventilate enclosed areas to control airborne levels below recommended exposure levels.

Personal protection:

- Respiratory:** Not normally required unless in a confined space.
- Glove type:** PVC, butyl rubber gloves if splashing is likely to occur.
- Eyes protection:** Safety glasses especially if working with molten product.
- Clothing:** Wear appropriate protective clothing if working with molten product.

Flammability: Combustible (Flash Point ~200°C).

Fire Hazards: Combustion products may include carbon monoxide and unburnt hydrocarbons.

4. SAFE HANDLING INFORMATION**Storage & Transport:**

Store in closed containers in a dry place.

Handling:

When using do not eat, drink or smoke. Only use in well ventilated areas. Avoid contact with skin, eyes, nose and mouth, especially when the material is molten. Wash all exposed skin before eating, drinking, smoking or using the toilet.

Stability & Reactivity:

Chemically stable. Materials to avoid:- Strong oxidising agents.

Spills:

All spillages should be scrapped up. With molten material block drains to prevent product entering, allow to solidify and scrape up. Collect the material in closed containers and remove to a safe place for disposal.

MATERIAL SAFETY DATA SHEET**PRODUCT: RYPOLENE L****Disposal:**

Recover and recycle if possible. Disposal should be carried out in accordance with national and local regulations eg. in an approved incinerator. Consult local authorities for detailed advice. If correctly incinerated this material will decompose to carbon dioxide and water.

Fire/Explosion Hazards: Combustible, otherwise stable and none reactive.

Dangerous Decomposition or Combustion Products: Carbon monoxide

Fire Fighting Recommendations:

Extinguishing media: Foam, water spray or fog. Carbon dioxide, dry chemical, sand or earth may be used for small fires.

Precautions: Do not use water spray in a jet. Avoid HALON extinguishers for environmental reasons.

Protective equipment: Wear self-contained breathing apparatus in a large fire.

5. OTHER INFORMATION**Toxicological Information**

Acute toxicity – oral:	LD ₅₀ expected to be >50 g/kg.
Acute toxicity – dermal:	LD ₅₀ expected to be >20 g/kg.
Eye irritation:	Expected to be non-irritant.
Skin irritation:	Expected to be slightly irritant.
Skin sensitisation:	Not expected to be a skin sensitiser.
Mutagenicity:	Not considered to be a mutagenic hazard.
Reproductive toxicity:	Does not impair fertility. Not a developmental toxicant.

Ecological Information

Mobility:	Product is sold. Will float on water.
Persistence/degradability:	Not readily biodegradable. Persists under anaerobic conditions.
Bioaccumulation:	Has the potential to bioaccumulate.
Ecotoxicity:	Insoluble. Low acute toxicity to mammals.

Reference: Rayong Microwax Material Safety Data Sheet RMC 1 (March 1998)

CONTACT POINT:	EMERGENCY No. 0419 341 095 all hours
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DISCLAIMER: The information given in this data sheet is based on data supplied by the manufacturer and is, to the best of our knowledge, true and accurate, but any recommendations or suggestions that may be made are without guarantee, since the conditions of use are beyond our control. The information and recommendations offered are for the user's consideration and it is the user's responsibility to satisfy themselves that they are suitable and complete for this particular purpose. We recommend that the safety and handling information presented in this data sheet be passed on, in an appropriate format, to your customers and handlers.