

 **MATERIAL SAFETY DATA SHEET**

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PRODUCT: ISOBUTYL ACETATE

PRODUCT NAMES: ISOBUTYL ACETATE
OTHER NAMES: Acetic Acid, 2-Methylpropyl Ester

UN NUMBER: 1213
HAZCHEM CODE: 3
PACKAGING GROUP: II
SHIPPING NAME: Isobutyl Acetate

DANGEROUS GOODS:
CLASS & SUB RISK: 3
POISONS SCHEDULE: N/A
Use: Solvent

STATEMENT OF HAZARDOUS NATURE:

Classified as hazardous according to criteria of Worksafe Australia

PHYSICAL DESCRIPTION/PROPERTIES:

APPEARANCE/ODOUR : Clear colourless liquid. Mild odour.
FLASH POINT : 21.0°C
BOILING POINT : 112.0°C
VAPOUR PRESSURE : 12.5 mmHg at 20°C
VAPOUR DENSITY : 0.873 (air = 1)
MELTING POINT : -99.0°C
SOLUBILITY IN WATER : Slight
SPECIFIC GRAVITY : 0.80 at 20°C
FLAMMABILITY LIMITS : 1.3-7.5%

INGREDIENTS:

CHEMICAL ENTITY	CAS No.	PROPORTION
Isobutyl acetate	110-19-0	100%

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

Causes throat and mouth irritation. Can cause nausea, vomiting, headache and stupor.

Eyes:

The vapour is an eye irritant. Liquid is a severe eye irritant.

Skin:

May result in mild to moderate irritation. Repeated or prolonged skin contact may lead to dermatitis.

Inhaled:

Vapour is irritant to mucous membranes and respiratory tract. Can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if prolonged exposure, unconsciousness.

2. FIRST AID**Swallowed**

Do not induce vomiting. Give 1 to 2 glasses of water. Get medical assistance.

Eyes

Flush thoroughly with water for at least 15 minutes. Get medical assistance.

MATERIAL SAFETY DATA SHEET**PRODUCT: ISOBUTYL ACETATE****Skin**

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

Inhaled

Remove from further exposure. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, use mouth-to-mouth resuscitation.

Toxicity Data:

Oral LD50 (rat):	>2000mg/kg	Skin (rabbit):	Practically non-irritating
Dermal LD50 (rabbit):	>17400 g/kg	Eyes (rabbit):	Irritant.

3. PRECAUTIONS FOR USE**Exposure standards**

TWA: 150 PPM, 713 mg/m³

Engineering controls

Use in a well ventilated area with local exhaust ventilation. Ventilation required and equipment must be explosion proof. Use away from all ignition sources.

Personal protection

Protective goggles

Impervious clothing and boots

Chemical resistant gloves

Respiratory equipment – when vapours or mists exceed exposure limits.

Personal protection comments

Always wash hands before eating, drinking or using the toilet.

Flammability

Flammable liquid. May form flammable vapour mixtures with air.

4. SAFE HANDLING INFORMATION**Storage conditions**

Ground and bond all transfer equipment. Drums must be grounded and bonded and equipment with self-closing valves, pressure vacuum bungs and flame arresters. Outside or detached storage preferred. Store in a cool dry place away from all sources of ignition. Avoid strong oxidisers.

Spills & disposal

Absorb on fire retardant treated sawdust, diatomaceous earth, etc. Scrape up and remove. For large spills, self-contained breathing apparatus must be worn during cleanup. Eliminate all ignition sources. Prevent spills from entering storm sewers or drains and contact with soil. For waste disposal, mix with a compatible chemical which is less combustible and incinerate in compliance with applicable laws. Refer to local regulations for disposal requirements.

Fire/Explosion Hazard

Product is flammable. Vapour accumulation could flash and/or explode if ignited. Use CO₂, foam, dry chemical and water fog. Use water to keep fire exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapours and to protect personnel attempting to stop leak. On decomposition may produce carbon monoxide.

CONTACT POINT:	Emergency response 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.