



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: CITRUS-SOLVE

Product Use: General purpose citrus based solvent cleaner.

Miro's General Cleaning Services P/L trading as ATOMIC CHEMICALS

A.C.N 005 300 201 / A.B.N 77 005 300 201

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Emergency Telephone Number: 13 11 26

2. HAZARDS IDENTIFICATION

GHS Classification: Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Irritation, Category 2A
Acute Toxicity – Oral, Category 4
Flammable Liquid, Category 1

Pictograms:



Signal Word: DANGER

Hazard Statements:

H315 - Causes skin irritation

H319 - Causes serious eye

H224: Extremely flammable liquid and vapour

H302: Harmful if swallowed

Precautionary Statements:

Prevention

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink, or smoke when using this product.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P210: Keep away from heat/sparks/open flames/hot surfaces.

P233: Keep container tightly closed.

Response

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330: Rinse mouth.

Storage

P403+P233+P235: Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Disposal

P501: Dispose of container in accordance with local/regional/national/international regulations.



3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients

<u>Chemical Name:</u>	<u>CAS Number:</u>	<u>Proportion %:</u>
Ethanol	64-17-5	30 - 60
d-Limonene	5989-27-5	30 - 60
Surfactant (Propriety Blend)	68937-66-6	<10

4. FIRST AID MEASURES

Poisons Information Centre: Phone 13 11 26

First Aid

Swallowed: Contact a doctor or Poisons Information Centre. Do not induce vomiting. Rinse mouth with water and give glass of water. Never give anything by mouth to an unconscious person.

Eye: Immediately hold the eyes open and rinse continuously with plenty of water for at least 15 minutes and contact a doctor or Poisons Information Centre.

Skin: Remove any contaminated clothing and immediately wash contaminated skin with plenty of water. If irritation occurs, seek medical attention.

Inhaled: Remove affected person to fresh air. Seek medical attention if effects persist.

First Aid Facilities: Eye wash station.

Advice to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Citrus-Solve is flammable

Fire Fighting Procedures: Normal fire-fighting procedures may be used. Fire fighters to wear fully encapsulating, gas-tight suits for maximum protection.

Extinguishing Media: Foam, CO₂, Dry chemical or Water fog.

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Eliminate all sources of ignition. Contain large spills. Absorb with oil-dry or similar inert material. Do not let spilled or leaking material enter watercourse. May be toxic to aquatic life.

7. HANDLING AND STORAGE

Handling and Storage: Store in tightly closed containers in cool, dry, isolated well ventilated areas away from heat, sources of ignition and incompatibles. Store with all precautions required for handling flammable liquids.



8. EXPOSURE CONTROL / PERSONAL PROTECTION

- Exposure limits:** 1000ppm TWA, 1900 mg/m³
The Exposure Standard Recommended by Work Safe Australia for Ethanol is 1000ppm (1,880mg/m³) time weighted average (TWA)
- Engineering Controls:** Provide adequate ventilation. Avoid breathing vapour of product. Use with adequate ventilation.
- Personal Protection:** Eye: Safety glasses are recommended.
Respiratory: None should be needed under normal circumstances. If concentration is to exceed 500ppm of ethanol wear an approved respirator.
Skin: Avoid contact, PVC or Neoprene gloves are recommended.
Always wash hands before eating, drinking, smoking or using the toilet.
- Flammability:** All electrical equipment used in proximity to storage of this product should be in accordance with local wiring regulations and Australian Standards. Do not weld, heat, or cut pressurize containers.

9. PHYSICAL AND REACTIVITY

Physical Description/Properties

Appearance/Odour: Clear to Straw coloured liquid with alcohol/citrus odour
Boiling Point/Melting Point: Not determined
Vapour Pressure: Not determined
Specific Gravity: 0.85
Flashpoint: Not determined
Flammability Limits: Not determined
Solubility: Partially miscible in water, Miscible with ethanol
Evaporation Rate: Not determined

10. STABILITY AND REACTIVITY

- Stability:** Flammable
- Reactivity:** The vapour is heavier than air and may travel along the ground, distant ignition and flashback are possible.

11. TOXICOLOGICAL INFORMATION

Health Effects - Acute

- Swallowed:** Swallowing may cause harmful central nervous system effects.
- Eye:** May cause eye Irritation. Prolonged contact causes slight irritation.
- Skin:** Prolonged or repeated contact may cause mild irritation to sensitive skin. If irritation occurs discontinue use.
- Inhaled:** May cause: Irritation to mucous membranes.

Health Effects: Chronic: Chronic intoxication by swallowing or repeated inhalation may cause degenerative changes to the liver, kidneys, hair, gastrointestinal tract and heart muscles.

12. ECOLOGICAL INFORMATION

Volatile Organic Compounds: Not determined.

Avoid contaminating waterways.



13. DISPOSAL CONSIDERATION

Disposal Method: No special method. Observe all applicable governmental regulations and local ordinances regarding disposal of hazardous materials.

14. TRANSPORT INFORMATION

UN Number: 1170
Hazchem Code: 3[Y]E
Transport of Dangerous Goods: PG III
Dangerous Goods Class and Subsidiary Risk: CLASS 3 - FLAMMABLE, PGIII

15. REGULATORY INFORMATION

Poison Schedule: Schedule 5
AICS: All chemicals listed on the Australian Inventory of Chemicals Substances (AICS)

16. OTHER INFORMATION:

LD50 (Acute Oral Toxicity): Not determined, however LD50 for d-Limonene is 4,400 mg/kg rat
LD50 (Acute Dermal Toxicity): Not determined
Carcinogenicity: None Known
Teratogenicity: None Known
Mutagenecity: None Known
Fish Toxicity: Not determined
Biodegradability: The surfactants are biodegradable per the Australian standard AS1792.

Abbreviations and Definitions of terms used:

<	less than
>	greater than
%	percentage
AICS	Australian Inventory of Chemical Substances
deg C	Degrees Celsius
g	gram
kg	kilogram
LD50	The does (swallowed all at once) which is lethal to 50% of a group of test animals.
mg	milligram
miscible	A liquid that mixes homogeneously with another liquid
ppm	parts per million

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