



## SAFETY DATA SHEET

**PRODUCT NAME:** N-PROPYL ACETATE

July 2013

### IDENTIFICATION

**Product Name:** N-Propyl Acetate  
**Other Names:** Propyl Acetate  
**Product Code:** CPACET  
**Uses:** Industrial solvent.

**Supplier:** HamChem Hamilton Chemicals Ltd, 355 Kahikatea Drive, Hamilton  
Phone: 078475840, Fax 078475882, info@hamchem.co.nz

- In emergency dial 111, and then ask for Fire, Ambulance or Police as necessary.
- In case of poisoning phone National Poisons Centre – 0800 764 766

### HAZARD IDENTIFICATION

#### DANGER

**Highly Flammable Liquid and Vapour**

**Keep out of reach of children**

**Read label and SDS thoroughly before use.**

**HSNO Classifications:** 3.1B, 6.3B, 6.4A, 9.1D

**Transport:** Class 3 - Flammable

**Hazard Statements:** Highly flammable liquid and vapour. Causes mild skin and eye irritation. May cause long lasting harmful effects to aquatic life.

**Precautions:** Keep away from heat/sparks/open flames/hot surfaces. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof ventilation/lighting and electrical equipment. Use only non sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Store in a well ventilated place. Keep cool.

### COMPOSITION & INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportion (%)
N-Propyl Acetate	109-60-4	98-100%

### FIRST AID MEASURES

**If swallowed:** Do NOT induce vomiting. Seek immediate medical attention.

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**If on skin:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention.

**If inhaled:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Seek medical attention if symptoms appear.

**If in eyes:** Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.

**Note to Physician:** Treat symptomatically.

### **SYMPTOMS AND EFFECTS, ACUTE AND DELAYED, FROM EXPOSURE**

**Ingestion:** May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

**Skin contact:** May be irritating in contact with skin. May cause redness, itching and dermatitis.

**Inhalation:** May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, nausea and vomiting.

**Eye contact:** Irritating to eyes resulting in inflammation, stinging and blurred vision.

**Long term effects:** Repeated exposure may cause skin dryness and cracking. Prolonged inhalation may cause central nervous system depression with symptoms including dizziness, drowsiness, nausea and headaches.

### **FIRE FIGHTING MEASURES**

**Extinguishing media:** Use foam or dry agent.

**Specific hazards:** Highly flammable liquid. Vapour/air mixtures may ignite explosively. Precautions should be taken to eliminate the build up of explosive mixtures. Flashback along the vapour trail may occur. Runoff to sewer may create fire/explosion hazard. Heating can cause expansion and decomposition leading to violent rupture of containers.

**Special protective precautions & equipment:** under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide. Fire fighters should wear full protective clothing and self contained breathing apparatus. wear spray may be used to keep fire exposed containers cool.

### **ACCIDENTAL RELEASE MEASURES**

**Emergency procedures:** Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. If necessary place inert absorbent onto material. Prevent run off into drains and waterways. Use clean non-sparking tools to collect the material and place into suitable, labeled containers. If contamination

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of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

### **HANDLING & STORAGE**

**Handling advice:** Wear appropriate protective clothing and equipment to prevent inhalation, skin and eye contact. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. Work from suitable, labeled, fire-resistant containers. Open containers carefully as they may be under pressure. Keep containers closed when not in use. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Do not empty into drains. Maintain a high level of personal hygiene when using the product, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

**Storage advice:** Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, foodstuffs, and clothing, and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Always keep in containers made of the same material as the supply container. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures.

### **EXPOSURE CONTROLS & PERSONAL PROTECTION**

#### **Exposure standards:**

<b>National Exposure Standards</b>	<b>Name</b>	<b>STEL (mgm3)</b>	<b>STEL (ppm)</b>	<b>TWA (mgm3)</b>	<b>TWA (ppm)</b>
	n-propyl acetate	1040	250	835	200

**Engineering controls:** Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required.

**Personal protective equipment:** If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision.

The use of chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstance.

Suitable protective work wear should be worn when working with this material, e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended

### **PHYSICAL & CHEMICAL PROPERTIES**

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<b>Appearance</b>	Transparent colourless liquid.
<b>Odour</b>	mild non-residual odour.
<b>Melting Point</b>	-95°C (freezing point)
<b>Solubility in Water</b>	2.0% w/w (20°C)
<b>Flash point:</b>	14°C (Tag Closed Cup) ASTM D56 18°C (Tag Open Cup) ASTM D1310
<b>Flammability limits:</b>	Lower: 1.7% V/V (38°C) Upper: 8% V/V
<b>Boiling point:</b>	101.5°C
<b>pH:</b>	N/A

### STABILITY & REACTIVITY

**Stability:** Stable under normal conditions of storage and handling.

**Hazardous decomposition products:** Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.

**Hazardous polymerization:** Will not occur.

**Incompatibles:** Strong oxidising agents, nitric acid, sodium hydroxide, alkali metal hydroxide.

**Conditions to avoid:** Heat, direct sunlight, open flames or other sources of ignition.

### TOXICOLOGICAL INFORMATION

**Toxicity data:**

Acute oral LD50 (rat): 9800 mg/kg

Acute dermal LDSO (Rabbit): > 20ml/kg

Acute inhalation LC50 (Rat) 4 hours: Approx. 8000 ppm

### ECOLOGICAL INFORMATION

Do not discharge into drains, waterways or sewers.

### DISPOSAL CONSIDERATIONS

The spilled or waste material must be disposed of in accordance with relevant local, state and federal regulations. Uncleaned packaging must be disposed of in the same manner as the material. Empty containers may retain vapour and product residue and therefore present health, fire and explosion hazards.

### TRANSPORT INFORMATION

**UN Number:** 1276

**Proper Shipping name:** n-PROPYL ACETATE

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**Dangerous Goods Class:** 3  
**Packing group:** II  
**Hazchem Code:** 3[Y]E

<b>REGULATORY INFORMATION</b>
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**HSNO Classifications:** 3.1B, 6.3B, 6.4A, 9.1D

<b>OTHER INFORMATION</b>
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**Key to abbreviations:**

**End of SDS.**

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