



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

1. PRODUCT NAME: n-Propyl Acetate

2. CHEMICAL NAME: Normal Propyl Acetate

3. SYNONYMS:

4. CAS NUMBER: 109-60-4

5. COMPOSITION: n-Propyl Acetate - 100%

6. PROPERTIES: ODOR & APPEARANCE: clear, colorless liquid with a pleasant, fruity (pear-like) odor
ODOR THRESHOLD: 0.1 - 25ppm - very wide range!
VAPOUR PRESSURE: 25mmHg/3.3kPa (20 c)
EVAPORATION RATE (butyl Acetate=1): 2.8
VAPOR DENSITY (air=1): 3.5
BOILING RANGE: 102 c
FREEZING POINT: -92 c
SPECIFIC GRAVITY: 0.888 (20/20 c)
WATER SOLUBILITY: 189 grams per liter (20 c)
IN OTHER SOLVENTS: soluble in organic solvents
VISCOSITY: 0.58 centipoise (20 c)
PH: none – does not give rise to hydrogen ions in water solution

7. HAZARDS: HMIS (U.S.A): Health – 1, Fire – 3, Reactivity - 0
MATERIAL USE: solvent for nitrocellulose lacquers & inks; perfumery

8. FIRE FIGHTING INFORMATION: FLASH POINT: 13 c/58 F (closed cup)
AUTOIGNITION TEMPERATURE: 450 c/840 F
FLAMMABLE LIMITS: 1.7% - 8%
COMBUSTION PRODUCTS: carbon monoxide, nitrogen oxides, smoke, part oxidized hydrocarbon fragments
FIREFIGHTING PRECAUTIONS: foam, dry chemical, water fog, water spray only to cool & dilute, product floats on water – water jet spreads flames; firefighters must wear SCBA
STATIC DISCHARGE: will not accumulate a static charge
MECHANICAL IMPACT: not sensitive
CHEMICAL STABILITY: stable; will not polymerize
REACTIVE WITH: strong oxidizing agents, strong acids, strong alkalis may hydrolyse vigorously, reacts vigorously with azo – and diazo – compounds, nitrides and hydrazine
DECOMPOSITION PRODUCTS: n-Propyl alcohol and acetic acid

9. PERSONAL PROTECTION MEASURES: HANDS: butyl rubber or polyvinyl alcohol gloves
EYES: safety glasses with side shields – always protect eyes
VENTILATION: to maintain air concentration below TWAEV
CLOTHING: recommended, but not required: impervious (above) apron, boots, long sleeves if splashing is anticipated

10. FIRST AID PROCEDURES: SKIN: Wash with soap and plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered.
EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.
INHALATION: Remove from contaminated area promptly. CAUTION: Rescuer must not endanger

IN CASE OF
TRANSPORT EMERGENCY
CONTACT CHEMTREC
USA: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887



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himself! If breathing stops, administer artificial respiration and seek medical aid promptly.
INGESTION: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.
NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The risk and danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.

11. EXPOSURE TWAEV ppm: 200
LIMITS: LD50 ORAL: 6640
SKIN (mg/kg): 16,000
LC50ppm INHALATION: 9100

12. TOXICOLOGICAL EFFECTS ACUTE EXPOSURE
INFORMATION: SKIN CONTACT: drying, mildly irritation
SKIN ABSORPTION: yes; no toxic effects likely by this route
EYE CONTACT: mildly irritating liquid, will not damage eyes; vapor over 200ppm may irritate
INHALATION: vapor irritating above 200ppm; coughing, headache, dizziness, drowsiness, intoxication
INGESTION: headache, dizziness, drowsiness, intoxication, abdominal pain
EFFECTS OF CHRONIC EXPOSURE
GENERAL: prolonged exposure may cause skin cracking and dermatitis
SENSITISING: not a sensitizer
REPRODUCTIVE EFFECT: probably not a reproductive effector
SYNERGISTIC WITH: not known
LD50: 6640mg/kg (oral, rabbit); 9370mg/kg (oral, rat), 8300mg/kg (oral, mouse); 16,000mg/kg (skin, rabbit)
LC50: 9100ppm (inhalation, rat)

13. ECOLOGICAL This product cannot accumulate in living tissue – rapidly metabolized to propyl alcohol and acetic acid
INFORMATION: which are further metabolized, this product is readily and rapidly biodegradable in the presence of oxygen.

14. DISPOSAL DO NOT FLUSH TO SEWER; may be incinerated in approved facility.
CONSIDERATIONS:

15. CARCINOGENIC Not considered a tumorigen or a carcinogen in humans and animals.
PROPERTIES &
NOTIFICATIONS:

16. TRANSPORT USA 49 CFR
INFORMATION: Product identification number: UN – 1276
Shipping name: n-propyl acetate
Classification: Class 3; Packing group II
Label: Flammable
Class: B2

17. HANDLING & STORAGE: Store and use a cool dry environment, away from sources of ignition, heat and oxidizing agents. Use with adequate ventilation. Although this product is not a static accumulator, we recommend grounding or bonding of this container when transferring product. Do not cut, drill, weld or grind on or near this container. Avoid prolonged contact with skin and wash work clothes frequently. An eye bath and safety shower



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should be available near the workplace.

18. ACCIDENTAL LEAK PRECAUTION: dyke to control spillage and prevent environmental contamination.
RELEASE HANDLING SPILL: ventilate contaminated area; recover free liquid with explosion-proof pumps; absorb
MEASURES: residue on an inert sorbent, sweep and pick up using non-sparking plastic or aluminium shovel, & store in
closed containers for recycling or disposal.

19. REGULATORY
INFORMATION: