



advanced
CHEMICALS

Safety Data Sheet

SPECIALTY CHEMICALS GROUP

POISON S5

Product Name - METHYLATED SPIRITS

CDS : 02221
ISSUED 05/2015
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IDENTIFICATION & PHYSICAL DATA

U.N. NO :1170
HAZCHEM :2YE
PACKAGING : II
CLASS : 3

CORRECT SHIPPING NAME

INDUSTRIAL METHYLATED SPIRITS

OTHER NAMES

Alcohol Denatured
Alcohol
Ethanol Denatured
Metho

CAS NUMBER

64-17-5

FORMULA

Essentially Ethyl Alcohol, C₂H₅OH

USES

Solvent, household cleaning agent, antiseptic, fuel.

APPEARANCE

Clear liquid, colourless to pale green colour, distinctive odour, water miscible.

PHYSICAL DESCRIPTION/PROPERTIES

Specific Gravity (20 C) : 0.8
Rel Vap Density : Not app
Vapour Pressure (20 C): 58.1 mbar
Flash Point (C): 13 degrees C
% Volatile by volume: 100%

Melting Point : -117.3 degrees C
Boiling Point : 78.3 degrees C
Viscosity : Not app
Decomposition Point (C) : Not available
Evaporation Rate : (n-Butyl acetate = 100) 253

Detergents - Cleaning Products - Paper Products - Restaurant Supplies



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HEALTH HAZARD INFORMATION

HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this SafetyData Sheet and the product label. Symptoms that may arise if the product is mishandled are:

ACUTE EFFECTS

SWALLOWED: Moderately toxic. May lead to CNS depression. Ingestion can result in nausea, gastric irritation, headache and dizziness.

EYE: A moderate eye irritant. May cause watering of eyes. High concentrations of vapours will cause irritation.

SKIN: Contact with skin may result in irritation. Repeated or prolonged skin contact may lead to dermatitic effects. Will have a degreasing action on the skin.

INHALED: Toxic by inhalation. The vapour is an irritant to the mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea.

CHRONIC EFFECTS

Possible liver and kidney disorders. Repeated or prolonged skin contact may cause chronic dermatitis.

FIRST AID

SKIN : Wash affected areas with copious quantities of water. If swelling, redness, blistering or irritation occurs seek medical advice. Remove contaminated clothing and wash before re-use.

EYES : Immediately irrigate with copious quantities of water for at least fifteen minutes. Eyelids to be held open. Seek immediate medical advice.

INHALED: Remove victim from exposure – avoid becoming a casualty. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage.

INGESTION : Thoroughly rinse mouth with water. Give water to drink DO NOT induce vomiting. Seek immediate medical assistance. Poison Information Centres in each State capital city can provide additional information for scheduled poisons.

ADVICE TO DOCTOR

Treat symptomatically.

TOXICITY

Oral Lowest Lethal Dose (human): 1400 mg/kg. Inhalation LC50 (rat) : 2000 ppm/10 hr.

Oral Lowest Lethal Dose (child): 2000 mg/kg 250 ppm/6hr/goldfish/lethal/fresh water

EXPOSURE STANDARDS

These TLVs are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These TLVs should not be used as fine lines between safe and dangerous concentrations. Ethyl alcohol, TLV/TWA 1900 mg/m³, 1000 ppm, Worksafe Australia.



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ENGINEERING CONTROLS

Ensure ventilation is adequate to maintain air concentrations below exposure standards. Combination particulate/gas respirator, Class A, (Organic vapour). Vapour heavier than air – prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers in well ventilated area.

PERSONAL PROTECTION

The following personal protective equipment should be worn.
Safety glasses, goggles or faceshield as appropriate.
Rubber boots.
PVC, neoprene or nitrile rubber gloves.
Do not smoke.
Remove any naked lights or strong heat sources.

FLAMMABILITY

Flammable liquid. May form explosive mixture with air. Keep away from heat, sparks or naked flames. Heating may cause explosion. Avoid all ignition sources. Flameproof equipment necessary. Earth nearby equipment and transfer equipment.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Store in a cool place.
Store in well ventilated area.
Store away from oxidising agents.
Store away from strong acids.
Keep containers closed at all times.
Keep containers securely sealed and protected against physical damage.
Do not store in pits or basements where vapours may become entrapped.
Store away from heat or ignition. Not to be loaded with Class 1, 2.1, 2.3, 4.2, 5.1, 5.2, 6*, 7 (* where Flammable liquid is nitromethane).

PACKAGING AND LABELLING

As required by the ADG Code and the Standard for the Uniform Scheduling of Drugs and Poisons.

SPILLS AND DISPOSAL

Shut off all possible sources of ignition.
Contain using sand and earth – prevent runoff into drains and waterways. Use absorbent (soil, sand, sawdust, vermiculite).
Collect and seal in properly labelled drums for disposal. Wash away residues with water.
Refer to appropriate State Waste Disposal Authority.



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FIRE/EXPLOSION HAZARDS

Evacuate area immediately. Keep containers cool with water spray. Flashback along vapour trail may occur. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition. Extinguish fire with the following – Water fog – CO₂ – Dry chemical or foam.

OTHER SAFE HANDLING

Vapour may travel considerable distance to source of ignition and flash back. Flame and explosion proof equipment must be used. Vapour may ignite on pumping or pouring due to static electricity. All vessels must be earthed. Entry of product into drains or waterways is a fire/explosion hazard.