



SAFETY DATA SHEET
INDUSTRIAL METHYLATED SPIRITS 99%

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: INDUSTRIAL METHYLATED SPIRITS 99%
Synonyms: IMS
Use / description of product: Highly flammable or extremely flammable. Harmful.

Company name: Lindchem Ltd
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: D.E.B.100 >90%
EINECS: 200-578-6 CAS: 64-17-5
[F] R11
• METHANOL 1-10%
EINECS: 200-659-6 CAS: 67-56-1
[F] R11; [T] R23/24/25; [T] R39/23/24/25

3. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
Other hazards: In use, may form flammable / explosive vapour-air mixture.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

[cont...]

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Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol or polymer foam. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Steel drums. Stainless steel. Copper Polyethylene. Are suitable. Do not use aluminium containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: D.E.B.100
TWA (8 hr exposure limit): 1920 mg/m³ (OES)

- METHANOL

TWA (8 hr exposure limit): 266 mg/m³ STEL (15 min exposure limit): 333 mg/m³ (OES)

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

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- Hand protection:** Impermeable gloves.
Eye protection: Safety glasses. Ensure eye bath is to hand.
Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
Colour: Colourless
Odour: Alcoholic
Evaporation rate: Moderate
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Soluble
Also soluble in: Most organic solvents.
Boiling point/range°C: 78
Melting point/range°C: -112
Flash point°C: 12
Vapour pressure: 30 mmHg @20°C
Relative density: 0.7935

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions. Stable at room temperature.
Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.
Materials to avoid: Strong oxidising agents. Strong acids.
Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients:** METHANOL
IVN RAT LD50 2131 mg/kg
ORL MUS LD50 7300 mg/kg
ORL RAT LD50 5628 mg/kg
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

- Mobility:** Readily absorbed into soil.
Persistence and degradability: Biodegradable.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

- NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1170
Packing group: II
Shipping name: ETHANOL (ETHYL ALCOHOL) DENATURED
Labelling: 3

ADR Class: 3
Classification code: F1
Hazard ID no: 33



IMDG / IMO

UN no: 1170
Packing group: II
Marine pollutant: NO

Class: 3
EmS: 3-06
Labelling: 3

IATA / ICAO

UN no: 1170
Packing group: II
Labelling: 3

Class: 3
Packing instructions: 305(P&CA); 307(PAO)

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Harmful.



Risk phrases: R11: Highly flammable.
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R68/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Safety phrases: S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe vapour.
S24: Avoid contact with skin.
S33: Take precautionary measures against static discharges.
S36/37: Wear suitable protective clothing and gloves.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Note: The regulatory information given above only indicates the principal regulations specifically

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applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R11: Highly flammable.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.