

SAFETY DATA SHEET

METHYLATED SPIRITS

Infosafe No.: C20BZ
ISSUED Date : 31/01/2022
ISSUED by: RECOCHEM INC.

1. Identification

GHS Product Identifier

METHYLATED SPIRITS

Product Code

15000

Company name

RECOCHEM INC. (ABN 69 010 485 999)

Address1809 Lytton Road Lytton
QLD 4178 AUSTRALIA**Telephone/Fax Number**

Tel: (07) 3308 5200

Fax: (07) 3308 5201

Emergency phone number

Business Hours (07) 3308 5200, After Hours 1300 131 001, Poisons Information: Australia: 13 11 26 New Zealand: 0800 764 766

Recommended use of the chemical and restrictions on use

Solvent, Fuel, Cleaning Solvent

Other Names

Name	Product Code
ETHANOL	15000
ETHYL ALCOHOL	15000
IMS	15000

Additional Information

Website:

www.recochem.com.au

2. Hazard Identification

GHS classification of the substance/mixture

Eye Damage/Irritation: Category 2A

Flammable Liquids: Category 2

Signal Word (s)

DANGER

Hazard Statement (s)

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statement – General

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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Pictogram (s)

Flame, Exclamation mark



Precautionary statement – Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P370+P378 In case of fire: Use foam/water spray/fog for extinction.

Precautionary statement – Storage

P403+P235 Store in a well-ventilated place. Keep cool.

Precautionary statement – Disposal

P501 Dispose of contents/container in accordance with local regulations

Other Information

Hazardous chemical according to classification by Safe Work Australia

Dangerous goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail

3. Composition/information on ingredients

Ingredients

Name	CAS	Proportion
Demin. Water	7732-18-5	<=5 %
Denatonium Benzoate	3734-33-6	<0.001 %
Methyl isobutyl ketone	108-10-1	0.25 %
Fluorescein	-	<0.001 %
Ethanol	64-17-5	>=95 %

Other Information

The following materials make up the denaturant of the fluid. They are not present in high enough concentrations to trigger any additional hazards.

Chemical Entity:

Denatonium Benzoate

Methyl Isobutyl Ketone

Fluorescein

4. First-aid measures

Inhalation

Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.

Ingestion

If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment.

Skin

If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.

Eye contact

If in eyes, hold eyes open, flood with water for at least 15 minutes. If symptoms persist transport to nearest medical facility for additional treatment.

Indication of immediate medical attention and special treatment needed if necessary

Treat symptomatically.

Most important symptoms/effects, acute and delayed

Inhalation: May cause irritation to the respiratory system. Inhalation of the vapour may result in drunkenness (as per effects of ingestion). Early symptoms may occur at airborne levels of 1000 to 5000ppm.

Skin: May include burning sensation and/or a dried/cracked appearance. Prolonged contact may cause defatting of skin which can lead to dermatitis.

Eye: May include burning sensation, redness, swelling and/or blurred vision.

Ingestion: Can cause drunkenness or harmful central nervous system effects. The deliberate ingestion of ethanol (50-100ml) may cause inebriation such that safety is impaired. Effects of a small intake may include excitation, euphoria, headache, dizziness, drowsiness, blurred vision, and fatigue. Ingestion of a large amount may lead to severe acute intoxication, tremours, convulsion, loss of consciousness, coma, respiratory arrest and death.

5. Fire-fighting measures

Suitable Extinguishing Media

Alcohol stable foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only.

Unsuitable Extinguishing Media

Do not use water in a jet.

Special Protective Equipment for fire fighters

Wear full protective clothing and self-contained breathing apparatus.

Specific Hazards Arising From The Chemical

Carbon monoxide and/or carbon dioxide may be evolved.

Hazchem Code

·2YE

Decomposition Temperature

Data not available

6. Accidental release measures

Emergency Procedures

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Clean-up Methods - Small Spillages

For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

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Clean-up Methods - Large Spillages

For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

Environmental Precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

7. Handling and storage

Precautions for Safe Handling

Highly flammable product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Flameproof equipment necessary in area where chemical is being used. Vapours may accumulate in low or confined areas.

Conditions for safe storage, including any incompatibilities

Bulk storage tanks should be banded. Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants.

8. Exposure controls/personal protection

Occupational exposure limit values

Exposure control measures:

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia -Ethanol: 1880mg/m³ (1000ppm) TWA (8hr)

Biological Limit Values

Biological monitoring:

No biological limit allocated.

Appropriate engineering controls

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Respiratory Protection

If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Eye Protection

Wear safety goggles.

Thermal Hazards

Not applicable.

Body Protection

Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.

9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Colourless clear liquid
Odour	Alcoholic	Decomposition Temperature	Data not available
Boiling Point	78°C	Solubility	Data not available
pH	Data not available	Vapour Pressure	44 mmHg @ 20°C
Vapour Density (Air=1)	1.59 @ 15°C	Evaporation Rate	Data not available (Butyl acetate = 1)
Odour Threshold	Data not available	Partition Coefficient: n-octanol/water	Data not available
Density	0.79 - 0.81 g/ml @ 15°C	Flash Point	13°C (Abel)
Flammability	Highly flammable	Auto-Ignition Temperature	392°C
Flammable Limits - Lower	3.5%	Flammable Limits - Upper	19.0%
Explosion Limit - Upper	19.0%	Explosion Limit - Lower	3.5%
Initial boiling point and boiling range	78°C	Kinematic Viscosity	Data not available @ 20°C
Melting/Freezing Point	-117°C		

10. Stability and reactivity

Reactivity

Stable under normal conditions of use.

Chemical Stability

Stable under normal conditions of use.

Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials

Strong oxidising agents.

Hazardous Decomposition Products

Burning can produce carbon monoxide and/or carbon dioxide.

Possibility of hazardous reactions

Stable under normal conditions of use.

11. Toxicological Information

Acute Toxicity - Oral

Low toxicity in animals -

LD50 Oral (rat) : 7060mg/kg

Acute Toxicity - Inhalation

Low toxicity in animals -

LC50 Inhalation (rat, 6h) : 5900mg/m³

Skin corrosion/irritation

Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.

Serious eye damage/irritation

Vapours may irritate the eyes. Liquid or mists may severely irritate or damage the eyes.

Respiratory sensitisation

Not expected to be a sensitiser.

Skin Sensitisation

Not expected to be a sensitiser.

Germ cell mutagenicity

Not expected to be mutagenic.

Carcinogenicity

Not expected to be carcinogenic.

Reproductive Toxicity

Not expected to impair fertility.

STOT-single exposure

Data not available.

STOT-repeated exposure

Long term exposure by swallowing or repeated inhalation, may cause degenerative changes in the liver, kidneys, gastrointestinal tract and heart muscle.

Aspiration Hazard

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

12. Ecological information

Ecotoxicity

Aquatic invertebrate - Expected to be harmful

Microorganisms - Expected to be harmful

Chronic toxicity:

Fish - Data not available

Aquatic invertebrate - Data not available

Algae - Data not available

Microorganisms - Data not available

Persistence and degradability

Biodegradable.

Mobility

Mobility in soil:

Miscible with water.

Bioaccumulative Potential

Data not available.

Other Adverse Effects

Data not available.

Acute Toxicity - Fish

Expected to be harmful

Acute Toxicity - Algae

Expected to be toxic

13. Disposal considerations

Disposal considerations

Ensure waste disposal conforms to local waste disposal regulations.

14. Transport information

U.N. Number

1170

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UN proper shipping name

ETHANOL

Transport hazard class(es)

3

Packing Group

II

Hazchem Code

·2YE

IERG Number

14

UN Number (Air Transport, ICAO)

1170

IATA/ICAO Proper Shipping Name

ETHANOL

IATA/ICAO Hazard Class

3

IATA/ICAO Packing Group

II

IMDG UN No

1170

IMDG Proper Shipping Name

ETHANOL

IMDG Hazard Class

3

IMDG Pack. Group

II

Other Information

EmS Code: F-E, S-D

15. Regulatory information

Regulatory information

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76): 14

Poisons Schedule

S5

Australia (AICS)

Listed

16. Other Information

User Codes

User Title Label	User Codes
Transcription Sign Off	12233 WH 14052014
Transcription Sign Off	12251 WH 15052014
Transcription Sign Off	15401 WH 13022015
Transcription Sign Off	18695 MC 01/02/2016
Wis Numbers	03272819
Wis Numbers	03415851
Wis Numbers	04297806
Wis Numbers	05830013

Revisions Highlighted

Revision number: 10

Changes in this revision: Reviewed due to expiration

Other Information

This SDS has been transcribed into Infosafe GHS format from an original, issued by the manufacturer on the date shown.
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END OF SDS

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