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[Barrettine Methylated Spirit](#)



SAFETY DATA SHEET

Mineralised Methylated Spirits

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Mineralised Methylated Spirits
Product No. MMSP025, MMSP205

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Solvent for thinning french polish, cleaning brushes and glassware etc.
Uses advised against Any use other than those identified.

1.3. Details of the supplier of the safety data sheet

Supplier Barrettine
Barrettine Works
St Ivel Way
Warmley
Bristol
BS30 8TY
Tel: 0117 960 0060
Fax: 0117 935 2437
sales@barrettine.co.uk

1.4. Emergency telephone number

+44 (0) 1270 502 891

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 2 - H225
Human health	Eye Irrit. 2 - H319
Environment	Not classified.

Classification (1999/45/EEC) F;R11.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

Ingestion may cause nausea, vomiting, lack of coordination and visual impairment, leading to eventual loss of consciousness.

Environment

The product is not expected to be hazardous to the environment.

Physical and Chemical Hazards

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

Mineralised Methylated Spirits



Signal Word	Danger	
Hazard Statements	H225 H319	Highly flammable liquid and vapour. Causes serious eye irritation.
Precautionary Statements	P210 P233 P305+351+338 P337+313 P102+P405 P501D P501	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Store locked up, keep out of the reach of children. Empty containers may contain residual product and vapours. Do not cut or weld on or near empty containers. Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplementary Precautionary Statements	P240 P241 P242 P243 P264 P370+378 P403+235	Ground/bond container and receiving equipment. Use explosion-proof electrical equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash contaminated skin thoroughly after handling. In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction. Store in a well-ventilated place. Keep cool.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ETHANOL	>90%
CAS-No.: 64-17-5	EC No.: 200-578-6
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11
2-PROPANOL	<5%
CAS-No.: 67-63-0	EC No.: 200-661-7
	Registration Number: 01-2119457558-25-XXXX
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67

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BUTANONE		<5%
CAS-No.: 78-93-3	EC No.: 201-159-0	Registration Number: 01-2119457290-43-XXXX
Classification (EC 1272/2008) Flam. Liq. 2 - H225 EUH066 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R66 R67	
denatonium benzoate		<0.5%
CAS-No.: 3734-33-6	EC No.: 223-095-2	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412	Classification (67/548/EEC) Xn;R22. Xi;R38,R41. R52/53.	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

Contains a bittering agent to render this preparation unpalatable.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

DO NOT INDUCE VOMITING! Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get medical attention if any discomfort or irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

Ingestion

Drowsiness, dizziness, disorientation, vertigo.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

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5.1. Extinguishing media

Extinguishing media

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

During fire, toxic gases (CO, CO₂) are formed.

Unusual Fire & Explosion Hazards

HIGHLY FLAMMABLE! Vapours are heavier than air and may spread near ground to sources of ignition.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing (see Section 8). Keep unnecessary people at a safe distance.

6.2. Environmental precautions

Cover all drains and sewers. Avoid spreading spilled material.

6.3. Methods and material for containment and cleaning up

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Use explosion proof electric equipment.

7.2. Conditions for safe storage, including any incompatibilities

Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-PROPANOL	WEL	400 ppm	999 mg/m ³	500 ppm	1250 mg/m ³	
BUTANONE	WEL	200 ppm	600 mg/m ³	300 ppm	899 mg/m ³	Sk
ETHANOL	WEL	1000 ppm	1920 mg/m ³			

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

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ETHANOL (CAS: 64-17-5)

DNEL				
Industry	Inhalation.	Short Term	Local Effects	1900 mg/m ³
Industry	Dermal	Long Term	Systemic Effects	343 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	343 mg/m ³
Consumer	Inhalation.	Short Term	Local Effects	950 mg/m ³
Consumer	Dermal	Long Term	Systemic Effects	206 mg/kg/day
Consumer	Inhalation.	Short Term	Systemic Effects	114 mg/m ³
Consumer	Oral	Short Term	Systemic Effects	87 mg/kg/day
PNEC				
Freshwater	0.96	mg/l		
Marinewater	0.79	mg/l		
Intermittent release	2.75	mg/l		
STP	580	mg/l		
Sediment (Freshwater)	3.6	mg/kg		
Sediment (Marinewater)	2.9	mg/kg		
Soil	0.63	mg/kg		

2-PROPANOL (CAS: 67-63-0)

DNEL				
Industry	Inhalation.	Long Term	Systemic Effects	500 mg/m ³
Industry	Dermal	Long Term	Systemic Effects	888 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	89 mg/m ³
Consumer	Dermal	Long Term	Systemic Effects	319 mg/kg/day
Consumer	Oral	Long Term	Systemic Effects	26 mg/kg/day
PNEC				
Freshwater	140.9	mg/l		
Sediment (Freshwater)	552	mg/kg		
Marinewater	140.9	mg/l		
Sediment (Marinewater)	552	mg/kg		
Soil	28	mg/kg		
STP	2251	mg/l		

BUTANONE (CAS: 78-93-3)

DNEL				
Industry	Inhalation.	Long Term	Systemic Effects	600 mg/m ³
Industry	Dermal	Long Term	Systemic Effects	1161 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	106 mg/m ³
Consumer	Dermal	Long Term	Systemic Effects	412 mg/kg/day
Consumer	Oral	Long Term	Systemic Effects	31 mg/kg/day
Water	55.8	mg/l		
Intermittent release	55.8	mg/l		
STP	709	mg/l		
Sediment	284.74	mg/kg		
Soil	22.5	mg/kg		

8.2. Exposure controls

Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3). If ventilation is insufficient suitable respiratory protection must be provided.

Seek advice and recommendations of the manufacturer or supplier of equipment

Hand protection

Use protective gloves.

Eye protection

Use approved safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Purple.
Odour	Odour of alcohol.
Solubility	Completely miscible with water.
Initial boiling point and boiling range (°C)	78 °C at 760 mmHg
Relative density	0.805 @ 20°C
Vapour pressure	58 mbar @ 20°C
Flash point (°C)	12°C CC (Closed cup).
Auto Ignition Temperature (°C)	365°C
Partition Coefficient (N-Octanol/Water)	Not relevant

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7. Avoid Heat, sparks, flames.

10.3. Possibility of hazardous reactions

Not determined.

Hazardous Polymerisation

Not relevant

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Avoid contact with oxidisers or reducing agents.

10.6. Hazardous decomposition products

Decomposition can lead to the formation of toxic gases or fumes, including Carbon monoxide (CO). Carbon dioxide (CO₂).

Dangerous Reactions

Avoid unintended contact with strong acids.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No data is available for this preparation. Classified according to the calculation procedure of the EC Dangerous Preparations Directive using known data and information about the individual components

Acute toxicity:

ATE (Oral)

300 mg/kg

Inhalation

May cause irritation to the respiratory system.

Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness.

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Ingestion

May cause discomfort if swallowed.

Skin contact

May cause defatting of the skin, but is not an irritant. Not a skin sensitiser.

Eye contact

Spray and vapour in the eyes may cause irritation and smarting.

Route of entry

Inhalation.

Skin absorption.

Ingestion.

Target Organs

Central nervous system Eyes Kidneys Liver Respiratory system, lungs Skin

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Acute Fish Toxicity

No data is available for this preparation. Classified according to the calculation procedure of the EC Dangerous Preparations Directive using known data and information about the individual components

12.2. Persistence and degradability

Degradability

The degradability of the product has not been stated. The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

Partition coefficient

Not relevant

12.4. Mobility in soil

Mobility:

The product is miscible with water. May spread in water systems. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

The product contains volatile, organic compounds which have a photochemical ozone creation potential.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not dispose to landfill or watercourses.

13.1. Waste treatment methods

Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

SECTION 14: TRANSPORT INFORMATION

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14.1. UN number

UN No. (ADR/RID/ADN)	1170
UN No. (IMDG)	1170
UN No. (ICAO)	1170

14.2. UN proper shipping name

Proper Shipping Name	DENATURED ALCOHOL
Proper Shipping Name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3
Transport Labels	



14.4. Packing group

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

EMS	F-E, S-D
Emergency Action Code	•2YE
Hazard No. (ADR)	33
Tunnel Restriction Code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Control of Substances Hazardous to Health.

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

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Guidance Notes

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

EU Legislation

ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

The Denatured Alcohol (Amendment) Regulations 2013 (UK S.I. 1195).

Health and Environmental Listings

Directive 92/85/EEC on the safety and health of pregnant and breastfeeding workers at work. Directive 94/33/EC on the protection of young people at work.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Reformulated to comply with EU statutes.

Revision Date 01-JUL-13

Revision 05 replaces 04

Supersedes date 03-AUG-11

SDS No. 00997

Risk Phrases In Full

R22 Harmful if swallowed.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R11 Highly flammable

R36 Irritating to eyes.

R38 Irritating to skin.

R66 Repeated exposure may cause skin dryness or cracking.

R41 Risk of serious damage to eyes.

R67 Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

H225 Highly flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.