



SAFETY DATA SHEET

Mineralised Methylated Spirit 94%

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

PRODUCT NO. MMSP.25, MMSP002, MMSP005, MMSP025, MMSP205
 APPLICATION Solvent for thinning french polish, cleaning brushes and glassware etc.
 SUPPLIER
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2 HAZARDS IDENTIFICATION

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.

CLASSIFICATION (1999/45) Xn;R20/21/22, R68/20/21/22. F;R11.

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.

HUMAN HEALTH

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

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
ETHANOL	200-578-6	64-17-5	60-100%	F;R11
METHANOL	200-659-6	67-56-1	1-5%	F;R11 T;R23/24/25,R39/23/24/25
PYRIDINE	203-809-9	110-86-1	<1%	F;R11 Xn;R20/21/22

The Full Text for all R-Phrases is Displayed in Section 16

COMPOSITION COMMENTS

Contains a bitter additive designed to render preparation undrinkable.

4 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.

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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.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

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.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

ENVIRONMENTAL PRECAUTIONS

Cover all drains and sewers. Avoid spreading spilt material.

SPILL CLEAN UP METHODS

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.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

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.

STORAGE PRECAUTIONS

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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANOL	WEL	1000 ppm	1920 mg/m ³			
METHANOL	WEL	200 ppm	266 mg/m ³	250 ppm	333 mg/m ³	Sk
PYRIDINE	WEL	5 ppm	16 mg/m ³	10 ppm	33 mg/m ³	

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

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 recommendations and advice from equipment manufacturer or supplier.

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.

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HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash 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.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Purple
ODOUR	Unpleasant.
SOLUBILITY	Completely miscible with water.
BOILING POINT (°C)	78 °C. @ 760mm Hg.
RELATIVE DENSITY	0.81 @ 20°C
VAPOUR PRESSURE	58 mbar @ 20°C
FLASH POINT (°C)	12°C CC (Closed cup).
AUTO IGNITION	365°C
TEMPERATURE (°C)	

10 STABILITY AND REACTIVITY

STABILITY

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

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Avoid contact with oxidisers or reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

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

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 706 mg/kg (oral rat)

TOXICOLOGICAL INFORMATION

Fatal dose in man 300-400ml.

INHALATION

May cause irritation to the respiratory system. Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

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

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

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.

MOBILITY

The product is miscible with water. May spread in water systems.

BIOACCUMULATION

Will not bio-accumulate.

DEGRADABILITY

The product is expected to be biodegradable.

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13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Do not dispose to landfill or in water courses.

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
UN NO. ROAD	1170
ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II
TUNNEL RESTRICTION CODE	(D/E)
HAZARD No. (ADR)	33
ADR LABEL NO.	3
HAZCHEM CODE	•2YE
UN NO. SEA	1170
IMDG CLASS	3
IMDG PACK GR.	II
EMS	F-E, S-D
UN NO. AIR	1170
AIR CLASS	3
AIR PACK GR.	II

15 REGULATORY INFORMATION

LABELLING



Harmful



Highly Flammable

CONTAINS

METHANOL

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

S2	Keep out of the reach of children.
S9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S36/37	Wear suitable protective clothing and gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S51	Use only in well-ventilated areas.
S56	Dispose of this material and its container to hazardous or special waste collection point.

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EU DIRECTIVES

EC Regulation 1907/2006 (as amended) : 'REACH'.

Dangerous Substances Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

EC Regulation 1272/2008 (as amended): CLP (Classification, labelling and packaging of substances and mixtures).

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

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.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION COMMENTS

New format SDS, including classification to CLP. (EC1272/2008)

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.