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# ReAgent

## SAFETY DATA SHEET METHYLATED SPIRIT 95 % V/V 66 OP LRG

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

PRODUCT NAME METHYLATED SPIRIT 95 % V/V 66 OP LRG  
PRODUCT NO. 1818  
APPLICATION General chemical reagent  
SUPPLIER Reagent Chemical Services  
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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 Xn;R20/21/22, R68/20/21/22. F;R11.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
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

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

### 4 FIRST-AID MEASURES

#### INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Get medical attention if any discomfort continues.

#### INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

#### SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

#### EYE CONTACT

Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention immediately.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Water spray, dry powder or vaporising liquids

#### UNUSUAL FIRE & EXPLOSION HAZARDS

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

#### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

## METHYLATED SPIRIT 95 % V/V 66 OP LRG

### SPILL CLEAN UP METHODS

Remove sources of ignition. Small Spillages Absorb with inert, non-combustible material. Large Spillages Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Wash spillage site well with water and detergent, be aware of the potential for surfaces to become slippery. Ventilate well.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Static electricity and formation of sparks must be prevented. Eliminate all sources of ignition.

#### STORAGE PRECAUTIONS

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

#### STORAGE CLASS

Flammable liquid storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
ETHANOL	OES	1000 ppm	1920 mg/m3			
METHANOL	WEL	200 ppm(Sk)	266 mg/m3(Sk)	250 ppm(Sk)	333 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

#### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. Explosion-proof general and local exhaust ventilation.

#### RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

#### HAND PROTECTION

Use protective gloves. Rubber or plastic

#### EYE PROTECTION

Wear safety glasses. If risk of splashing, wear safety goggles or face shield.

#### OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower.

#### 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 if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Colourless		
ODOUR	Odour of alcohol		
SOLUBILITY	Miscible with water.		
RELATIVE DENSITY	0.8	VAPOUR DENSITY (air=1)	1.5
pH-VALUE, CONC. SOLUTION	7	FLASH POINT (°C)	13
AUTO IGNITION	425	FLAMMABILITY LIMIT - LOWER(%)	3.3
TEMPERATURE (°C)			
FLAMMABILITY LIMIT - UPPER(%)	19		

### 10 STABILITY AND REACTIVITY

#### STABILITY

Stable under normal temperature conditions.

#### CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

#### MATERIALS TO AVOID

Alkali metals. Alkali earth metals. Strong oxidising substances. Acid anhydrides. Acids. Inorganic hydrides.

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### 11 TOXICOLOGICAL INFORMATION

**INHALATION**

Harmful by inhalation.

**INGESTION**

Damage to mucous membrane. May cause nausea, headache, dizziness and intoxication.

**SKIN CONTACT**

Product has a defatting effect on skin. May be absorbed through the skin.

**EYE CONTACT**

Irritating to eyes.

**HEALTH WARNINGS**

Absorption of large quantities may cause irreversible damage to the optic nerve (due to methanol), nausea, headache, vomiting, inebriation and blindness.

### 12 ECOLOGICAL INFORMATION

**ECOTOXICITY**

Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

### 13 DISPOSAL CONSIDERATIONS

**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

### 14 TRANSPORT INFORMATION



UK ROAD CLASS	3		
PROPER SHIPPING NAME	ETHANOL (ETHYL ALCOHOL)		
UN NO. ROAD	1170	UK ROAD PACK GR.	II
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II	ADR LABEL NO.	3
HAZCHEM CODE	2YE	CEFIC TEC(R) NO.	30GF1-III
RID CLASS NO.	3	RID PACK GROUP	II
UN NO. SEA	1170	IMDG CLASS	3
IMDG PAGE NO.	3	IMDG PACK GR.	II
EMS	F-E, S-D	MFAG	See Guide
MARINE POLLUTANT	No.	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.

### METHYLATED SPIRIT 95 % V/V 66 OP LRG

R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

#### SAFETY PHRASES

- S9 Keep container in a well-ventilated place.
- S16 Keep away from sources of ignition - No smoking.
- S51 Use only in well-ventilated areas.
- S36/37 Wear suitable protective clothing and gloves.
- S60 This material and its container must be disposed of as hazardous waste.

#### UK REGULATORY REFERENCES

Highly Flammable Liquid Regulations 1972. Fire precautions Act 1971.

#### STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

#### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals. Control of Substances Hazardous to Health Regulations.

#### GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

#### NATIONAL REGULATIONS

Control of Substances Hazardous to Health Regulations 2002 (as amended)

### 16 OTHER INFORMATION

#### REVISION COMMENTS

General rewrite

REVISION DATE May 2004

REV. NO./REPL. SDS GENERATED Supercedes issue August 2003

SDS NO. 10023

#### RISK PHRASES IN FULL

- 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.