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# ReAgent

## SAFETY DATA SHEET DICHLOROMETHANE LRG

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

PRODUCT NAME	DICHLOROMETHANE LRG
PRODUCT NO.	1203
APPLICATION	General chemical reagent
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: <a href="mailto:info@reagent.co.uk">info@reagent.co.uk</a>

### 2 HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect.

CLASSIFICATION -

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

EU INDEX NO.	602-004-00-3
EC No.	200-838-9
CAS-No.	75-09-2

### 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. Wash the skin immediately with soap and water. In serious cases obtain medical attention.

#### 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.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Water spray, dry powder or carbon dioxide.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

Although the product does not have a closed cup flash point, flammable vapour mixtures with air may be formed in larger volumes. May be an explosive hazard in confined spaces.

#### SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed. Phosgene (COCl<sub>2</sub>). Hydrogen chloride (HCl).

#### 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.

## DICHLOROMETHANE LRG

### SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Ventilate well.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

#### STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place.

#### STORAGE CLASS

Chemical storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
DICHLOROMETHANE LRG	MEL	100 ppm(Sk)	350 mg/m3(Sk)	300 ppm(Sk)	1060 mg/m3(Sk)	

#### ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

#### RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

#### HAND PROTECTION

Wear protective gloves. Polyvinyl alcohol (PVA). Polyethylene/Ethylene Vinyl Alcohol (PE/EVAL).

#### EYE PROTECTION

Wear approved safety goggles.

#### OTHER PROTECTION

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

#### HYGIENE MEASURES

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	Characteristic		
SOLUBILITY	Slightly soluble in water.		
BOILING POINT (°C)	40	MELTING POINT (°C)	- 97
RELATIVE DENSITY	1.33	VAPOUR DENSITY (air=1)	2.93
VAPOUR PRESSURE	475 hPa 20	VISCOSITY	0.43 mPas 20 C
FLAMMABILITY LIMIT - LOWER(%)	13	FLAMMABILITY LIMIT - UPPER(%)	22
REFRACTIVE INDEX	1.4242	SOLUBILITY VALUE (g/100g H2O@20°C)	2

### 10 STABILITY AND REACTIVITY

#### STABILITY

Stable under normal temperature conditions and recommended use.

#### MATERIALS TO AVOID

Alkali metals. Alkali earth metals. Powdered metal. Nitric acid. Alcohols, glycols. Amines. Potassium permanganate. Nitrogen oxides. Aluminium.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Hydrogen chloride (HCl). Phosgene (COCl<sub>2</sub>).

### 11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50                      2136 mg/kg (oral rat)

## DICHLOROMETHANE LRG

**INHALATION**

May cause irritation to the respiratory system.

**INGESTION**

Irritating. May be absorbed in the body and cause dizziness, nausea and vomiting.

**SKIN CONTACT**

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

**EYE CONTACT**

May cause severe irritation to eyes. Risk of corneal damage.

**HEALTH WARNINGS**

Carcinogen category 3.

**12 ECOLOGICAL INFORMATION**

**ECOTOXICITY**

Low acute toxicity to aquatic organisms. Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

**BIOACCUMULATION**

Low bioaccumulation potential.

**13 DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS**

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

**14 TRANSPORT INFORMATION**



UK ROAD CLASS	6.1		
PROPER SHIPPING NAME	DICHLOROMETHANE		
UN NO. ROAD	1593	UK ROAD PACK GR.	III
ADR CLASS NO.	6.1	ADR CLASS	Class 6.1: Toxic substances.
ADR PACK GROUP	III	RID CLASS NO.	6.1
RID PACK GROUP	III	UN NO. SEA	1593
IMDG CLASS	6.1	IMDG PACK GR.	III
UN NO. AIR	1593	AIR CLASS	6.1
AIR PACK GR.	III		

**15 REGULATORY INFORMATION**

**LABELLING**



Harmful

**RISK PHRASES**

R40 Limited evidence of a carcinogenic effect.

**SAFETY PHRASES**

- S2 Keep out of the reach of children
- S23 Do not breathe vapour/spray.
- S24/25 Avoid contact with skin and eyes.
- S36/37 Wear suitable protective clothing and gloves.

## DICHLOROMETHANE LRG

### 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)

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## 16 OTHER INFORMATION

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### REVISION COMMENTS

Change to section 5 Change to section 6

REVISION DATE April 2006

REV. NO./REPL. SDS GENERATED Supercedes issue October 2002

SDS NO. 20379