

**CONTACT**  
**0800 990 3258**  
[enquiries@reagent.co.uk](mailto:enquiries@reagent.co.uk)



# ReAgent

## DICHLOROMETHANE TECHNICAL MSDS

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME	DICHLOROMETHANE TECHNICAL
CAS-No.	75-09-2
EU INDEX NO.	602-004-00-3
EC No.	200-838-9
SUPPLIER	Reagent Chemical Services 18 Aston Fields Road Whitehouse Industrial Estate Runcorn Cheshire WA7 3DL T: 01928 716903 F: 01928 716425 E: info@reagent.co.uk
PRODUCT NO.	2587
APPLICATION	General chemical reagent
EMERGENCY TELEPHONE	Emergency Telephone : +44 (0) 1928 716903 Between 08.30 - 17.00

### 2 HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect.

CLASSIFICATION (67/548) -

### 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

#### GENERAL INFORMATION

**CAUTION!** First aid personnel must be aware of own risk during rescue! First aid personnel must protect themselves with all necessary personal protective equipment during the assistance of casualties. When breathing is difficult, properly trained personnel may assist the casualty by administering oxygen. If casualty needs to be resuscitated avoid mouth to mouth contact, use a mechanical device such as a bag and mask to provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing can take place. Do not give victim anything to drink if they are unconscious. If medical attention is required take this information sheet with the casualty.

#### INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure or if any discomfort continues get medical attention.

#### INGESTION

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

#### SKIN CONTACT

Remove contaminated clothing and wash before re - use. Wash the skin immediately with soap and water. In serious cases or if discomfort continues 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

Use fire-extinguishing media appropriate for surrounding materials.

#### UNUSUAL FIRE & EXPLOSION HAZARDS

May form explosive mixtures with air.

**DICHLOROMETHANE TECHNICAL****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.

**SPILL CLEAN UP METHODS**

Small Spillages: Absorb with sand or other inert absorbent. Large Spillages: Dam and absorb spillages with sand, earth or other inert 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. Wash thoroughly after dealing with a spillage.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Avoid inhalation of vapours/spray and contact with skin and eyes.

**STORAGE PRECAUTIONS**

Store in closed original container at temperatures between 15°C and 25°C. Store away from direct sunlight and moisture

**STORAGE CLASS**

Chemical storage.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

WEL = Workplace Exposure Limit.

**ENGINEERING MEASURES**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit (WEL) is not exceeded. If vapours or mists are generated, work in a fume cupboard.

**RESPIRATORY EQUIPMENT**

Chemical respirator with organic vapour cartridge.

**HAND PROTECTION**

Wear protective gloves. Polyethylene/Ethylene Vinyl Alcohol (PE/EVAL). Viton rubber (fluor rubber). Be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**EYE PROTECTION**

Wear approved safety goggles.

**OTHER PROTECTION**

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and if handling large amounts, a safety shower. If there is a risk of splashing then wear a face shield. Wear plastic apron and full length gloves if handling large amounts.

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

**10 STABILITY AND REACTIVITY**

**DICHLOROMETHANE TECHNICAL****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. Some plastics and rubber.

**HAZARDOUS DECOMPOSITION PRODUCTS**

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

**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause irritation to the respiratory system.

**INGESTION**

Irritating. May be absorbed in the body and cause dizziness, nausea and vomiting. Risk of aspiration upon vomiting.

**SKIN CONTACT**

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

**EYE CONTACT**

Irritating to eyes. Risk of corneal damage.

**HEALTH WARNINGS**

Carcinogen category 3. Absorption of large quantities can result in drowsiness, drop in blood pressure, respiratory paralysis, inebriation and narcosis.

**TARGET ORGANS**

Liver. Kidneys.

**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. Do not allow to enter drinking water, waste water or soil.

**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**

**DICHLOROMETHANE TECHNICAL**

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.

## 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**

## GENERAL INFORMATION

Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

## REVISION COMMENTS

This is first issue.

REVISION DATE 17/07/2009

REV. NO./REPL. SDS GENERATED 1

SDS NO. 20804

## SAFETY DATA SHEET STATUS

Approved.