

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

ProductName : *N,N*-Dimethyl-2-chloroacetoacetamide

## 2. HAZARDS IDENTIFICATION

### Risk advice to man and the environment

Harmful if swallowed. Irritating to skin. Limited evidence of a carcinogenic effect. Risk of serious damage to eyes. May cause sensitization by skin contact.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 2-Chloro-*N,N*-dimethylacetoacetamide  
DMCAA

Formula : C6H10ClNO2

CAS-No.	EC-No.	Classification	Concentration
2-CHLORO- <i>N,N</i> -DIMETHYLACETOACETAMIDE 5810-11-7	227-372-9	Xn, R22 - R36/38 - R40 - R41 - R43	>= 98 %
<b>Methylene chloride</b> 75-09-2	200-838-9	Xn, Carc.Cat.3, R40	<= 2 %

For the full text of the R-phrases mentioned in this Section, see Section 16.

## 4. FIRST AID MEASURES

### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

### If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

### Environmental precautions

Do not let product enter drains.

### Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Personal protective equipment

#### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

#### Eye protection

Safety glasses

#### Skin and body protection

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form solid

### Safety data

pH no data available  
Melting point 36 °C  
Boiling point 95 °C at 0,9 hPa  
Flash point not applicable  
Ignition temperature no data available  
Lower explosion limit no data available  
Upper explosion limit no data available  
Density 1,203 g/mL at 25 °C  
Water solubility no data available

## 10. STABILITY AND REACTIVITY

### Storage stability

Stable under recommended storage conditions.

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

no data available

### Irritation and corrosion

no data available

### Sensitisation

no data available

### Chronic exposure

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Methylene chloride)

### Potential Health Effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin** May be harmful if absorbed through skin. Causes skin irritation.  
**Eyes** Causes serious eye irritation.  
**Ingestion** Harmful if swallowed.  
**Target Organs** Hair, Liver, pancreas, Blood, Central nervous system, Heart,

## 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

no data available

### Ecotoxicity effects

no data available

### Further information on ecology

no data available

## 13. DISPOSAL CONSIDERATIONS

### Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

### Contaminated packaging

Dispose of as unused product.

### Target Organs

Hair, Liver, pancreas, Blood, Central nervous system, Heart,

## 14. TRANSPORT INFORMATION

### ADR/RID

UN-Number: 2810 Class: 6.1 Proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S. Packing group: III

EMS-No: F-A, S-A

### IMDG

UN-Number: 2810 Class: 6.1

Proper shipping name: TOXIC LIQUID, ORGANIC, N.O.S.

Packing group: III

EMS-No: F-A, S-A

### IATA

UN-Number: 2810 Class: 6.1

Proper shipping name: Toxic liquid, organic n.o.s.

Packing group: III

### Further information

no data available

## 15. REGULATORY INFORMATION

### Labelling according to EC Directives

#### Hazard symbols

Xn Harmful

#### R-phrases

R32 Harmful if swallowed.

R40 Limited evidence of a carcinogenic effect.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

#### S-phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

#### Target Organs

2-CHLORO-*N,N*-DIMETHYLACETOACETAMIDE

Methylene chloride

## 16. OTHER INFORMATION

### Text of R-phrases mentioned in Section 16

R22 Harmful if swallowed.

R38 Irritating to eyes and skin.

R40 Limited evidence of a carcinogenic effect.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

### Further information

no data available

For R&D use only. Not for drug, household or other uses.

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