

# CARBON DISULPHIDE FOR PESTISIDE RESIDUE TRACE ANALYSIS MSDS



LABORATORY REAGENTS  
& FINE CHEMICALS

CAS No: 75-15-0 MSDS

## MATERIAL SAFETY DATA SHEET (MSDS)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Substance  
Trade name : CARBON DISULPHIDE For Pesticide residue trace analysis  
EC no : 200-843-6  
CAS No : 75-15-0  
Product code : 0068A

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals, Manufacture of substances

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

LOBA CHEMIE PVT.LTD.  
107 Wode House Road, Jehangir Villa, Colaba  
400005 Mumbai - INDIA  
T +91 22 6663 6663 - F +91 22 6663 6699  
[info@lobachemie.com](mailto:info@lobachemie.com) - [www.lobachemie.com](http://www.lobachemie.com)

#### 1.4. Emergency telephone number

Emergency number : + 91 22 6663 6663 (9:00am - 6:00 pm)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2 H225  
Acute toxicity (inhal.), Category 3 H331  
Specific target organ toxicity — Repeated exposure, Category 1 H372  
Serious eye damage/eye irritation, Category 2 H319  
Skin corrosion/irritation, Category 2 H315

Full text of classification categories and H statements : see section 16

# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

### Classification according to Directive 67/548/EEC or 1999/45/EC

Repr.Cat.3; R62

Repr.Cat.3; R63

F; R11

T; R23

Xi; R36

Xi; R38

R48

Full text of R-phrases: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS02

GHS08

Signal word (CLP) : Danger

Hazard statements (CLP) : H225 - Highly flammable liquid and vapour  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H331 - Toxic if inhaled  
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (CLP) : P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Name : CARBON DISULPHIDE For Pesticide residue trace analysis

CAS No : 75-15-0

EC no : 200-843-6

Full text of R- and H-phrases: see section 16

### 3.2. Mixture

Not applicable

# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label).
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth out with water.

#### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : Causes damage to organs through prolonged or repeated exposure.
- Symptoms/injuries after skin contact : Causes skin irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour.
- Explosion hazard : May form flammable/explosive vapour-air mixture.

#### 5.3. Advice for firefighters

No additional information available

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required.
- Emergency procedures : Stop release.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Collect spillage. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

#### 6.4. Reference to other sections

No additional information available

# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                                   |  |
|-----------------------------------|--|
| Additional hazards when processed | : Handle empty containers with care because residual vapours are flammable.                                  |
| Precautions for safe handling     | : No naked lights. No smoking. Use only non-sparking tools. Do not breathe dust/fume/gas/mist/vapours/spray. |
| Hygiene measures                  | : Wash ... thoroughly after handling. Do not eat, drink or smoke when using this product.                    |

#### 7.2. Conditions for safe storage, including any incompatibilities

|                        |   |
|------------------------|---|
| Technical measures     | : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment. |
| Storage conditions     | : Keep in fireproof place. Keep container tightly closed.   |
| Incompatible materials | : Heat sources.   |

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

|                          |                                      |
|--------------------------|--------------------------------------|
| Hand protection          | : protective gloves                  |
| Eye protection           | : Chemical goggles or safety glasses |
| Skin and body protection | : Wear suitable protective clothing  |
| Respiratory protection   | : Wear appropriate mask              |

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|  |                                  |
|--|----------------------------------|
| Physical state                             | : Liquid                         |
| Colour                                     | : Clear Colorless.               |
| Odour                                      | : stench.                        |
| Odour threshold                            | : No data available              |
| pH   | : No data available              |
| Relative evaporation rate (butylacetate=1) | : $\geq 22.6$                    |
| Melting point                              | : $-100\text{ }^{\circ}\text{C}$ |
| Freezing point                             | : No data available              |
| Boiling point                              | : $46\text{ }^{\circ}\text{C}$   |
| Flash point                                | : $-30\text{ }^{\circ}\text{C}$  |
| Auto-ignition temperature                  | : $100\text{ }^{\circ}\text{C}$  |

# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Decomposition temperature        | : Extremely flammable.               |
| Flammability (solid, gas)        | : Highly flammable liquid and vapour |
| Vapour pressure                  | : 300 mm Hg at 20°C                  |
| Relative vapour density at 20 °C | : 2.6                                |
| Relative density                 | : No data available                  |
| Density                          | : 1.26                               |
| Relative gas density             | : 2.63                               |
| Solubility                       | : Water: 0.2 g/100ml                 |
| Log Pow                          | : No data available                  |
| Viscosity, kinematic             | : No data available                  |
| Viscosity, dynamic               | : No data available                  |
| Explosive properties             | : No data available                  |
| Oxidising properties             | : No data available                  |
| Explosive limits                 | : 0.013 - 0.5 vol %                  |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Open flame. Direct sunlight.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Inhalation: Toxic if inhaled.

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

|  |   |
|--|---|
| Reproductive toxicity                              | : Not classified  |
| Specific target organ toxicity (single exposure)   | : Not classified  |
| Specific target organ toxicity (repeated exposure) | : Causes damage to organs through prolonged or repeated exposure. |
| Aspiration hazard                                  | : Not classified  |

### SECTION 12: Ecological information

#### 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|  |   |
|--|---|
| Product/Packaging disposal recommendations | : Dispose of contents/container to ...                                      |
| Additional information                     | : Handle empty containers with care because residual vapours are flammable. |

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

|               |        |
|---------------|--------|
| UN-No. (ADR)  | : 1131 |
| UN-No. (IMDG) | : 1131 |
| UN-No.(IATA)  | : 1131 |

# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

UN-No.(ADN) : 1131  
UN-No. (RID) : 1131

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : CARBON DISULPHIDE  
Proper Shipping Name (IMDG) : CARBON DISULPHIDE  
Proper Shipping Name (IATA) : CARBON DISULPHIDE  
Proper Shipping Name (ADN) : CARBON DISULPHIDE  
Proper Shipping Name (RID) : CARBON DISULPHIDE  
Transport document description (ADR) : UN 1131 CARBON DISULPHIDE, 3 (6.1), I, (C/E)  
Transport document description (IMDG) : UN 1131 CARBON DISULPHIDE, 3 (6.1), I (-30°C c.c.)  
Transport document description (IATA) : UN 1131 CARBON DISULPHIDE, 3 (6.1), I  
Transport document description (ADN) : UN 1131 CARBON DISULPHIDE, 3 (6.1), I  
Transport document description (RID) : UN 1131 CARBON DISULPHIDE, 3 (6.1), I

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3 (6.1)  
Danger labels (ADR) : 3, 6.1



#### IMDG

Transport hazard class(es) (IMDG) : 3 (6.1)  
Danger labels (IMDG) : 3, 6.1



#### IATA

Transport hazard class(es) (IATA) : 3 (6.1)  
Hazard labels (IATA) : 3, 6.1



#### ADN

Transport hazard class(es) (ADN) : 3 (6.1)  
Danger labels (ADN) : 3, 6.1



#### RID

# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

Transport hazard class(es) (RID) : 3 (6.1)  
Danger labels (RID) : 3, 6.1



### 14.4. Packing group

Packing group (ADR) : I  
Packing group (IMDG) : I  
Packing group (IATA) : I  
Packing group (ADN) : I  
Packing group (RID) : I

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR) : FT1  
Limited quantities (ADR) : 0  
Excepted quantities (ADR) : E0  
Packing instructions (ADR) : P001  
Special packing provisions (ADR) : PP31  
Mixed packing provisions (ADR) : MP7, MP17  
Portable tank and bulk container instructions (ADR) : T14  
Portable tank and bulk container special provisions (ADR) : TP2, TP7  
Tank code (ADR) : L10CH  
Tank special provisions (ADR) : TU14, TU15, TE21  
Vehicle for tank carriage : FL  
Transport category (ADR) : 1  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28  
Special provisions for carriage - Operation (ADR) : S2, S22  
Hazard identification number (Kemler No.) : 336  
Orange plates :



Tunnel restriction code (ADR) : C/E  
EAC code : 2WE  
APP code : A(fl)

#### - Transport by sea

Limited quantities (IMDG) : 0  
Excepted quantities (IMDG) : E0  
Packing instructions (IMDG) : P001  
Packing provisions (IMDG) : PP31



# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

|                                |                  |
|--------------------------------|------------------|
| Tank instructions (IMDG)       | : T14            |
| Tank special provisions (IMDG) | : TP2, TP7, TP13 |
| EmS-No. (Fire)                 | : F-E            |
| EmS-No. (Spillage)             | : S-D            |
| Stowage category (IMDG)        | : D              |
| Stowage and handling (IMDG)    | : SW2            |
| Flash point (IMDG)             | : -30°C c.c.     |
| MFAG-No                        | : 131            |

### - Air transport

|  |             |
|--|-------------|
| PCA Limited quantities (IATA)                | : Forbidden |
| PCA limited quantity max net quantity (IATA) | : Forbidden |
| PCA packing instructions (IATA)              | : Forbidden |
| PCA max net quantity (IATA)                  | : Forbidden |
| CAO packing instructions (IATA)              | : Forbidden |
| CAO max net quantity (IATA)                  | : Forbidden |
| ERG code (IATA)                              | : 3HP       |

### - Inland waterway transport

|                                   |                      |
|-----------------------------------|----------------------|
| Classification code (ADN)         | : FT1                |
| Special provisions (ADN)          | : 802                |
| Limited quantities (ADN)          | : 0                  |
| Excepted quantities (ADN)         | : E0                 |
| Carriage permitted (ADN)          | : T                  |
| Equipment required (ADN)          | : PP, EP, EX, TOX, A |
| Ventilation (ADN)                 | : VE01, VE02         |
| Number of blue cones/lights (ADN) | : 2                  |

### - Rail transport

|   |                                     |
|---|-------------------------------------|
| Classification code (RID)                                     | : FT1                               |
| Limited quantities (RID)                                      | : 0                                 |
| Excepted quantities (RID)                                     | : E0                                |
| Packing instructions (RID)                                    | : P001                              |
| Special packing provisions (RID)                              | : PP31                              |
| Mixed packing provisions (RID)                                | : MP7, MP17                         |
| Portable tank and bulk container instructions (RID)           | : T14                               |
| Portable tank and bulk container special provisions (RID)     | : TP2, TP7                          |
| Tank codes for RID tanks (RID)                                | : L10CH                             |
| Special provisions for RID tanks (RID)                        | : TU2, TU14, TU15, TU38, TE21, TE22 |
| Transport category (RID)                                      | : 1                                 |
| Special provisions for carriage – Loading and unloading (RID) | : CW13, CW28                        |
| Hazard identification number (RID)                            | : 336                               |

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

CARBON DISULPHIDE For Pesticide residue trace analysis is not on the REACH Candidate List

# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

CARBON DISULPHIDE For Pesticide residue trace analysis is not on the REACH Annex XIV List

### 15.1.2. National regulations

#### Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 2, hazardous to water (Classification according to VwVwS, Annex 2; WGK No 183)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

#### Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

|                           |  |
|---------------------------|--|
| Acute Tox. 3 (Inhalation) | Acute toxicity (inhal.), Category 3                            |
| Eye Irrit. 2              | Serious eye damage/eye irritation, Category 2                  |
| Flam. Liq. 2              | Flammable liquids, Category 2                                  |
| Skin Irrit. 2             | Skin corrosion/irritation, Category 2                          |
| STOT RE 1                 | Specific target organ toxicity — Repeated exposure, Category 1 |
| H225                      | Highly flammable liquid and vapour                             |
| H315                      | Causes skin irritation   |
| H319                      | Causes serious eye irritation                                  |
| H331                      | Toxic if inhaled   |
| H372                      | Causes damage to organs through prolonged or repeated exposure |
| R11                       | Highly flammable   |
| R23                       | Toxic by inhalation  |
| R36                       | Irritating to eyes   |
| R38                       | Irritating to skin   |
| R48                       | Danger of serious damage to health by prolonged exposure       |
| R62                       | Possible risk of impaired fertility                            |
| R63                       | Possible risk of harm to the unborn child                      |

# CARBON DISULPHIDE For Pesticide residue trace analysis

## Safety Data Sheet

|    |                  |
|----|------------------|
| F  | Highly flammable |
| T  | Toxic            |
| Xi | Irritant         |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*