

## MATERIAL SAFETY DATA SHEET (MSDS)

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

#### 1.1. Product identifier

Product form : Substance  
:  
CAS-No. : 101-38-2  
Product code : 03310  
Formula : C<sub>6</sub>H<sub>2</sub>Cl<sub>3</sub>NO

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial  
For professional use only

##### 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]

Self-Reactive Substances H242  
and Mixtures, Type C  
Skin corrosion/irritation, H315  
Category 2  
Serious eye damage/eye H319  
irritation, Category 2  
Specific target organ H335  
toxicity — Single  
exposure, Category 3,  
Respiratory tract irritation

Full text of H statements : see section 16

# 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

## Safety Data Sheet

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11

Xi; R36/37/38

R5

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) :



GHS02

GHS07

Signal word (CLP) : Danger

Hazard statements (CLP) : H242 - Heating may cause a fire.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

Precautionary statements (CLP) : P261 - Avoid breathing vapours, spray, dust, fume, gas.  
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. Substances

Name : 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

CAS-No. : 101-38-2

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

## 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First-aid measures after skin contact : Wash with plenty of water/.... Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Get immediate medical advice/attention.

# 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

## Safety Data Sheet

- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Get medical advice/attention.

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

- Symptoms/effects after skin contact : Causes skin irritation.
- Symptoms/effects after eye contact : Causes eye irritation.
- Symptoms/effects after ingestion : Harmful if swallowed.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Fire hazard : Heating may cause a fire.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Heating may cause an explosion.

### 5.3. Advice for firefighters

- Firefighting instructions : DO NOT fight fire when fire reaches explosives. Evacuate area.

## SECTION 6: Accidental release measures

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

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

#### 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 : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment.

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

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

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Hazardous waste due to potential risk of explosion.
- Precautions for safe handling : Keep away from sources of ignition - No smoking. Avoid contact with skin and eyes. Do not breathe vapours. Take precautionary measures against static discharge. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

# 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

## Safety Data Sheet

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

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Keep in fireproof place. Keep container tightly closed.
Incompatible materials	: Heat sources.
Storage temperature	: 2 - 8 °C

### 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	: [In case of inadequate ventilation] wear respiratory protection.

## SECTION 9: Physical and chemical properties

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

Physical state	: Solid
Molecular mass	: 210.45 g/mol
Colour	: Colourless.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available

# 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

## Safety Data Sheet

Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Heating may cause an explosion.
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Heating may cause an explosion. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Heat. Sparks. Open flame.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

No additional information available

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
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
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified

# 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

## Safety Data Sheet

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

Additional information : Hazardous waste due to potential risk of explosion.

### SECTION 14: Transport information

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

#### 14.1. UN number

UN-No. (ADR)	: 3224
UN-No. (IMDG)	: 3224
UN-No. (IATA)	: 3224
UN-No. (ADN)	: 3224
UN-No. (RID)	: 3224

#### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: SELF-REACTIVE SOLID TYPE C
Proper Shipping Name (IMDG)	: SELF-REACTIVE SOLID TYPE C
Proper Shipping Name (IATA)	: Self-reactive solid type c
Proper Shipping Name (ADN)	: SELF-REACTIVE SOLID TYPE C
Proper Shipping Name (RID)	: SELF-REACTIVE SOLID TYPE C
Transport document description (ADR)	: UN 3224 SELF-REACTIVE SOLID TYPE C, 4.1, (D)
Transport document description (IMDG)	: UN 3224 SELF-REACTIVE SOLID TYPE C, 4.1
Transport document description (IATA)	: UN 3224 Self-reactive solid type c, 4.1

# 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

## Safety Data Sheet

Transport document description (ADN) : UN 3224 SELF-REACTIVE SOLID TYPE C, 4.1  
Transport document description (RID) : UN 3224 SELF-REACTIVE SOLID TYPE C, 4.1

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 4.1  
Danger labels (ADR) : 4.1



#### IMDG

Transport hazard class(es) (IMDG) : 4.1  
Danger labels (IMDG) : 4.1



#### IATA

Transport hazard class(es) (IATA) : 4.1  
Hazard labels (IATA) : 4.1



#### ADN

Transport hazard class(es) (ADN) : 4.1  
Danger labels (ADN) : 4.1



#### RID

Transport hazard class(es) (RID) : 4.1  
Danger labels (RID) : 4.1



### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

# 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

## Safety Data Sheet

Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

### 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)	: SR1
Special provisions (ADR)	: 194, 274
Limited quantities (ADR)	: 100g
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P520
Special packing provisions (ADR)	: PP21
Mixed packing provisions (ADR)	: MP2
Transport category (ADR)	: 1
Special provisions for carriage - Packages (ADR)	: V1
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV15, CV20, CV22
Special provisions for carriage - Operation (ADR)	: S8, S18
Tunnel restriction code (ADR)	: D
EAC code	: 1WE

#### - Transport by sea

Special provisions (IMDG)	: 274
Packing instructions (IMDG)	: P520
Special packing provisions (IMDG)	: PP21
EmS-No. (Fire)	: F-J
EmS-No. (Spillage)	: S-G
Stowage category (IMDG)	: D
Stowage and handling (IMDG)	: SW1
Segregation (IMDG)	: SG35, SG36
Properties and observations (IMDG)	: May decompose violently at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation.
MFAG-No	: 149

#### - Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 459
PCA max net quantity (IATA)	: 5kg
CAO packing instructions (IATA)	: 459
CAO max net quantity (IATA)	: 10kg
Special provisions (IATA)	: A20, A802
ERG code (IATA)	: 3L



# 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

## Safety Data Sheet

### - Inland waterway transport

Classification code (ADN)	: SR1
Special provisions (ADN)	: 194, 274
Limited quantities (ADN)	: 100 g
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP
Number of blue cones/lights (ADN)	: 0

### - Rail transport

Classification code (RID)	: SR1
Special provisions (RID)	: 194, 274
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P520
Special packing provisions (RID)	: PP21
Mixed packing provisions (RID)	: MP2
Transport category (RID)	: 1
Special provisions for carriage – Packages (RID)	: W7
Special provisions for carriage - Loading, unloading and handling (RID)	: CW22
Colis express (express parcels) (RID)	: CE10
Hazard identification number (RID)	: 40

### 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

2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99% is not on the REACH Candidate List

2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99% is not on the REACH Annex XIV List

#### 15.1.2. National regulations

##### Germany

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

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : The substance is not listed

SZW-lijst van mutagene stoffen : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : The substance is not listed

# 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

## Safety Data Sheet

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

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

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Self-react. C	Self-Reactive Substances and Mixtures, Type C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H242	Heating may cause a fire.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
R11	Highly flammable
R36/37/38	Irritating to eyes, respiratory system and skin
R5	Heating may cause an explosion
F	Highly flammable
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*