

Material Safety Data Sheet



**2,6-DICHLOROQUINONE-4-CHLORIMIDE
AR (Gibb's Reagent)**

**VERSION : 02
DATE OF ISSUE : 26-08-2019
SUPERSEDES : 01**

Product Code : 22970

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1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR

Product code : 22970

Identification of the product : 2,6-Dichloroquinone-4-Chlorimide (Gibb's Reagent)

CAS No : 101-38-2

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

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : MOLYCHEM

Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai – 400 002 (INDIA) Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

Email : info@molychem.net

Works: Plot No. B/9, Badlapur M.I.D.C., OPP. Shobhavat Textile Co.,
Kulgaon, Badlapur (E), Dist.-Thane-421 503.

1.4. Emergency telephone number

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

2. Hazards identification

2.1. Classification of the substance or mixture

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

Self-Reactive Substances and Mixtures, Type C

H242

Skin corrosion/irritation, H315

Category 2

Serious eye damage/eye irritation, H319

Category 2

Specific target organ toxicity — Single exposure, H335

Category 3,

Respiratory tract irritation

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] Extra labelling to display
Extra classification(s) to display

Symbol(s) : Xi : Irritation.

Explosive.

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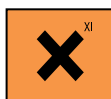


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R Phrase(s) : R2: Risk of explosion by stock, friction, fire or other sources of ignition.
R36/38: Irritating to eyes and skin.

S Phrase(s) : S35: This material and its container must be disposed off in a safe way.
S15: Keep away from heat.

Hazard pictograms



Signal word : Danger

Hazard statements : H242 - Heating may cause a fire.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

Precautionary statements : 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

3. Composition/information on ingredients

3.1. Substances: 2,6-DICHLOROQUINONE-4-CHLORIMIDE AR 99%

CAS-No. : 101-38-2

Substance.

Contains no other components or impurities which will influence the classification of the product.

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.

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.

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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.

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.

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

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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.

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

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.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

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

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Flammability (solid, gas) : No data available
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
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

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

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.

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STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

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

13. Disposal considerations

13.1. Waste treatment methods

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

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

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Transport document description (IATA) : UN 3224 Self-reactive solid type c, 4.1
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

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

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(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

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

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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

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

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

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

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Further information : None.

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Prepared by: MOLYCHEM (INDIA)

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