



杭州大阳化工有限公司
Hangzhou Dayangchem Co., Ltd.

Safety Data Sheet

No :M-2660

Section 1 - Product and Company Identification

SDS Name: 2,2-Dibromo-2-cyanoacetamide

Synonyms: Dibromocyano acetic acid amide

Company Identification: Hangzhou Dayangchem Co., Ltd. B/6F 2601 Fuli Building, 328#
WenEr Rd. Hangzhou City 310012 China

For information, call: 86-571-88938639

For information,E-mail: infores@chinadayangchem.com

Emergency Number: 86-571-88938639

For CHEMTREC assistance, call: 86-571-88938639; FAX:86-571-88938652

Section 2 – Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin corrosion (Category 1B)

Skin sensitization (Category 1)

Acute aquatic toxicity (Category 1)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Causes burns. May cause sensitization by skin contact.

Label elements

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

Pictogram



Signal word Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

Precautionary statement(s)

P273 Avoid release to the environment.

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.

P310 Immediately call a POISON CENTER or doctor/ physician.

Supplemental Hazard Statements none

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)



R-phrase(s)

R34 Causes burns.

R43 May cause sensitization by skin contact.

S-phrase(s)

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

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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

Other hazards-Lachrymator.

Section 3 – Composition/Information on Ingredients

CAS#	Chemical Name	%	EINECS#
10222-01-2	Dibromocyano acetic acid amide	97	233-539-7

Section 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

Take off contaminated clothing and shoes immediately. 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

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 - Fire Fighting Measures

General Information: Wear self contained breathing apparatus for fire fighting if necessary.

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

Section 6 - Accidental Release Measures

General Information: Use personal protective equipment. Avoid dust formation. Avoid

breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Avoid breathing dust.

Spills/Leaks: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 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.

Moisture sensitive.

Section 8 - Exposure Controls, Personal Protection

Contains no substances with occupational exposure limit values.

Personal Protective Equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

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

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9 - Physical and Chemical Properties

Physical State: powder

Color: white

Odor: Not available.

pH: Not available.

Vapor Pressure:

Viscosity: Not available.

Boiling Point: Not available.

Freezing/Melting Point: 122 - 125 °C - lit.

Autoignition Temperature: Not available.

Flash Point: Not available

Explosion Limits:Lower: Not available

Explosion Limits Upper: Not available

Decomposition Temperature: Not available.

Solubility in water: Not available

Specific Gravity/Density: Not available

Molecular Formula: C₃H₂Br₂N₂O

Molecular Weight: 241.87

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Avoid moisture.

Incompatibilities with Other Materials: Strong oxidizing agents

Hazardous Decomposition Products: Not available.

Section 11 - Toxicological Information

RTECS#: CAS# 10222-01-2: AB5956000

LD50/LC50: RTECS:

LD50 Intravenous - mouse - 10 mg/kg

Carcinogenicity: Dibromocyano acetic acid amide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Potential health effects

Inhalation May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Ingestion May be harmful if swallowed. Causes burns.

Skin May be harmful if absorbed through skin. Causes skin burns.

Eyes Causes eye burns.

Section 12 - Ecological Information

Toxicity

Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout) - 1.0 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 - *Daphnia magna* (Water flea) - 0.86 mg/l - 48 h

Other adverse effects

Very toxic to aquatic life.

Section 13 - Disposal Considerations

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

Section 14 - Transport Information

	IMO	RID/ADR	IATA
Shipping Name:	CORROSIVE SOLID, N.O.S. (2,2-Dibromo-2-cyanoacetamide)	CORROSIVE SOLID, N.O.S. (2,2-Dibromo-2-cyanoacetamide)	Corrosive solid, n.o.s. (2,2-Dibromo-2-cyanoacetamide)
Hazard Class:	8	8	8
UN Number:	1759	1759	1759
Packing Group:	III	III	III
marine pollutant: NO			
other applicable information: Not available.			

Section 15 - Regulatory Information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006 and GHS.

Section 16 - Other Information

SDS Creation Date: 23/09/2013

Revision #1 Date: 20/01/2014

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.