

SAFETY DATA SHEET

Version 5.2
Revision Date 06/22/2014
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1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product name : **CDI**
Product Number : 21860
Brand : Aldrich
CAS-No. : **530-62-1**

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

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : **Sigma-Aldrich**
3050 Spruce Street
SAINT LOUIS MO 63103
USA
Telephone : +1 800-325-5832
Fax : +1 800-325-5052

1.4 Emergency telephone number

Emergency Phone # : (314) 776-6555

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, Oral (Category 4), H302
Skin corrosion (Category 1B), H314
Serious eye damage (Category 1), H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal word : **Danger**
Hazard statement(s)
H302 : Harmful if swallowed.
H314 : Causes severe skin burns and eye damage.

Precautionary statement(s)
P260 : Do not breathe dust or mist.
P264 : Wash skin thoroughly after handling.
P270 : Do not eat, drink or smoke when using this product.
P280 : Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312 : **IF SWALLOWED:** Call a POISON CENTER or doctor/ physician if you feel unwell.
P301 + P330 + P331 : **IF SWALLOWED:** rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 : **IF ON SKIN (or hair):** Remove/ Take off immediately all contaminated

P304 + P340 : clothing. Rinse skin with water/ shower.
P305 + P351 + P338 : **IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Specific treatment (see supplemental first aid instructions on this label).
P310 : Wash contaminated clothing before reuse.
P321 : Store locked up.
P363 : Dispose of contents/ container to an approved waste disposal plant.
P405 :
P501 :

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms : CDI
Formula : C₇H₆N₄O
Molecular Weight : 162.15 g/mol
CAS-No. : 530-62-1
EC-No. : 208-488-9

Hazardous components

Component	Classification	Concentration
1,1'-Carbonylbis-1H-imidazole	Acute Tox. 4; Skin Corr. 1B; Eye Dam. 1; H302, H314	-

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
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. Continue rinsing eyes during transport to hospital.
If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

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

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Safety

temperature

- r) Viscosity no data available
s) Explosive properties no data available
t) Oxidizing properties no data available

9.2 Other safety information
no data available

10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
no data available
- 10.2 Chemical stability**
May decompose on exposure to moist air or water.
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions**
no data available
- 10.4 Conditions to avoid**
Exposure to moisture.
- 10.5 Incompatible materials**
Strong acids, Strong oxidizing agents, Strong bases, Amines
- 10.6 Hazardous decomposition products**
Other decomposition products - no data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - rat - 1,071 mg/kg

Inhalation: no data available

Dermal: no data available

no data available

Skin corrosion/irritation

Skin - rabbit

Result: Corrosive

Serious eye damage/eye irritation

Eyes - rabbit

Result: Severe eye irritation

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a

carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional information

RTECS: Not available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC0 - Leuciscus idus (Golden orfe) - 250 mg/l - 48 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia - 341.5 mg/l - 48 h

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

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.

14. TRANSPORT INFORMATION

DOT (US)

UN number: 3263 Class: 8

Packing group: II

Proper shipping name: Corrosive solid, basic, organic, n.o.s. (1,1'-Carbonylbis-1H-imidazole)

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

UN number: 3263 Class: 8

Packing group: II

EMS-No: F-A, S-B

Proper shipping name: CORROSIVE SOLID, BASIC, ORGANIC, N.O.S. (1,1'-Carbonylbis-1H-imidazole)

Marine pollutant: No

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Delivery 0954637784-000010 Purchase Order 2320JZ141

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