

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifiers

Product Name : aSORB DCL76
Synonym : Chloride Absorbent DCL76X

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

Recommended use : Adsorbent

Details of the supplier of the safety data sheet

Producer : Interra Global
805 W Touhy Ave
Park Ridge, IL 60068
USA

Telephone : +1 (847) 292-8600

Emergency telephone number

Emergency : +1 (847) 292-8600

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Product name : Chloride Absorbent DCL76X
Composition : CAS Number
ZnO : 1314-13-2
CaO : 1305-78-8

2. HAZARDS IDENTIFICATION

Potential acute health effects

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential chronic health effects

Carcinogenic Effects

3 (Not classifiable as a human carcinogen) by IARC.

Mutagenic Effects

Not available.

Teratogenic Effects

Not available.

Developmental Toxicity

Not available.

The substance may be toxic to lungs. Repeated or prolonged exposure to the substance can product target organ damage.

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4. FIRST AID MEASURES

Description of first aid measures

Eye Contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.

Skin Contact

Wash with soap and water. Cover irritated skin with an emollient. Seek medical attention if irritation develops.

Inhalation

If inhaled, move into fresh air. If not breathing, give artificial respiration and seek medical attention. If breathing is difficult, give oxygen and seek medical attention.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as collar, belt, or waistband.

5. FIREFIGHTING MEASURES

Flammability of the product

Non-flammable.

Auto-ignition temperature

Not applicable.

Flash points

Not available.

Flammable limits

Not applicable.

Products of Combustion

Not available

Fire hazards in presence of various substances

Not available

Explosion hazards in presence of various substances**Risks of explosion of the product in presence of mechanical impact**

Not available

Risks of explosion of the product in presence of static discharge

Not available

Special remarks on fire hazards

Not applicable

Special remarks on explosion hazards

Not applicable

6. ACCIDENTAL RELEASE MEASURES**Small spill**

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large spill

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. HANDLING AND STORAGE

Keep container tightly closed. Suitable for any general chemical storage area. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protective equipment

Safety glasses, lab coat, gloves, and dust respirator. Be sure to use an approved/certified respirator or equivalent.

Personal protection in case of large spill

Splash goggles, full suit, dust respirator, boots, and gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure limits

Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	: Solid
Color	: White/Grey
Taste	: Not available
Molecular Weight	: Not available
pH (1% soln/water)	: Not applicable
Boiling Point	: Not available
Melting Point	: Not available
Critical Temperature	: Not available
Specific Gravity	: 0.75 (Water =1)
Vapor Pressure	: Not applicable
Vapor Density	: Not available
Volatility	: Not available
Odor Threshold	: Not available
Water/Oil Dist. Coeff	: Not available
Ionicity (in Water)	: Not available
Dispersion Properties	: Not available
Solubility	: Insoluble in cold water

10. STABILITY AND REACTIVITY

Stability

The product is stable.

Instability temperature

Not available

Conditions of instability

Incompatible materials, moisture (absorbs water with evolution of heat), dust generation.

Incompatibility with various substances

Slightly reactive to reactive with moisture.

Corrosivity

Not available

Special remarks on reactivity

Hygroscopic. Reacts with water to evolve heat.

Incompatibility with powerful oxidizers

Fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride, hydrogen peroxide, etc.; Incompatible with acetylene and ammonia. This chemical is attacked by Hydrogen Fluoride. Silica will dissolve in Hydrofluoric Acid and produce the corrosive gas Silicon Tetrafluoride (SiF₄).

Special remarks on corrosivity

Not available

Polymerization

Yes

11. TOXICOLOGICAL INFORMATION**Routes of entry**

Absorbed through skin, eye contact, inhalation, and ingestion.

Toxicity to animals

LD50: Not available

LC50: Not available

Chronic effects on humans

CARCINOGENIC EFFECTS: 3 (Not classifiable for human) by IARC.
May cause damage to the following organs: lungs.

Other toxic effects on humans

Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special remarks on toxicity to animals

Not available

Special remarks on chronic effects on humans

May contain up to 3% crystalline quartz which has been determined to be an IARC class 1 carcinogen.

Special remarks on other toxic effects on humans**Acute/chronic potential health effects:**

Skin: May cause skin irritation. The product gets hot as it adsorbs water. Burns to moist or wet skin tissue may result if contact is prolonged.

Eyes: Dust may cause eye irritation.

Ingestion: The product gets hot as it adsorbs water. Burns to moist body tissues may result if contact is prolonged.

Inhalation: Exposure to dust particles generated from this material may cause irritation of the respiratory tract and may cause lung damage (silicosis, etc.)/cancer. Repeated and prolonged inhalation of crystalline silica in the form of quartz from occupational sources may cause cancer.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not available

BOD5 and COD

Not available

Products of Biodegradation

Possibly hazardous short-term degradation products are not likely; however, long-term degradation products may arise.

Toxicity of the products of biodegradation

Not available

Special remarks on the products of biodegradation

Not available

13. DISPOSAL CONSIDERATIONS

Waste disposal

Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

14. TRANSPORT INFORMATION

DOT (U.S.A.)

Not DOT controlled material.

Identification

Not applicable

Special provisions for transport

Not applicable

Suggestion according to IMO IMDG code

The substance is not subject to IMO IMDG CODE

15. REGULATORY INFORMATION

Federal and state regulations

DSCL (EEC):

This product is not classified according to EU regulations.
Not applicable.

HMIS (U.S.A.)

Health hazard : 1
Fire hazard : 0
Reactivity : 1
Personal Protection : E

National Fire Protection Association (U.S.A.)

Health : 1
Flammability : 0
Reactivity : 1

Protective Equipment

Gloves, lab coat, dust respirator, and safety glasses. Be sure to use an approved/certified respirator or equivalent.

WHMIS (Canada)

Not controlled under WHMIS

16. OTHER INFORMATION**References**

Not available

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June 1, 2015

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August 5, 2022

Revision Number:

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Warranty

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