

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

D. C. Concrete Wall Hardener

Product no.

274

REACH registration number

Not applicable

Other means of identification

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

Relevant identified uses of the substance or mixture

Surface treatment for concrete floors

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

J. P. Hansens eff. ApS

K.E. Møller Jensen

Præstetofte 3

5471 Søndersø

Tlf: 6489 1088

Contact person

Mette Borg

E-mail

mb@iduna.dk

SDS date

09-12-2015

SDS Version

1.0

1.4. Emergency telephone number

Use your national or local emergency number

See section 4 "First aid measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Eye Dam. 1; H318

Skin Irrit. 2; H315

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Causes serious eye damage. (H318)

Causes skin irritation. (H315)

Safety statement(s)

General

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Prevention

Wear protective gloves/protective clothing. (P280).

Response

Immediately call a POISON CENTER/doctor. (P310).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

(P305+P351+P338).

Storage

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Disposal

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Identity of the substances primarily responsible for the major health hazards

Silicic acid, sodium salt

2.3. Other hazards

Additional labelling

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Additional warnings

-

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	Silicic acid, sodium salt
IDENTIFICATION NOS.:	CAS-no: 1344-09-8 EC-no: 215-687-4
CONTENT:	15-25%
CLP CLASSIFICATION:	Met. Corr. 1, STOT SE 3, Skin Irrit. 2, Eye Dam. 1 H290, H315, H318, H335

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.

Other informations

Eye Cat. 1 Sum = Sum(Ci/S(G)CL) = 4,8 - 7,2
 Skin Cat. 2 Sum = Sum(Ci/S(G)CL) = 1,44 - 2,16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a physician, if there is doubt about the injured persons condition, or the symptoms continuous. Do not ever give the unconscious person water or alike.

Inhalation

Lead the person into fresh air and keep the person under watch.



Skin contact

Remove contaminated clothing and shoes. If there has been contact to some skin, wash is thoroughly with water and soap

Eye contact

Remove contact lenses. Flush eyes with plenty of water (20-30 °C) until irritation stops, or continue for at least 15 minutes. Make sure to flush under the upper and lower eyelid. Contact a physician at once.

Ingestion

Give the person plenty to drink and keep the person under watch. If fainting: Contact a physician immediately and bring along this security datasheet or the label from the product. Do not induce vomiting, unless recommended by the physician. Lower the persons head, so that vomit do not run back into the mouth or throat.

Burns

Not applicable

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

Irritable effects: This product contains substances which are irritable to skin and eyes, or when inhaled. A result of contact with a locally irritable substances, can be, that the area of contact, will be more pruned to take-in of damaging substances such as allergens.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommendation: alcohol resistant foam, carbonic acid, powder, fog. Usage of a water beam is forbidden, since it can spread the fire.

5.2. Special hazards arising from the substance or mixture

Non specific.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of damps from wasted substances.

6.2. Environmental precautions

No specific demands.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. If possible, clean with cleaning supplies. Solvents should be avoided.

6.4. Reference to other sections

See section 13 regarding handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in the same container as the original material.

Storage temperature

Frost-free



7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No data available

DNEL / PNEC

No data available.

8.2. Exposure controls

In case the product is used in a standard fashion, no control is necessary.

General recommendations

▼ Observe general occupational hygiene.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

No limits on explosion exits, for the content of the substances in this product.

Appropriate technical measures

Hygiene measures

When taking breaks, while using this product, and when work sub seeds, all exposed areas of the body has to be washed.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific demands.

Skin protection

specific work clothing should be used. When working with this product for a longer period of time, use protection gear.

Hand protection

When handling the concentrate: Use protective gloves of Nitrile. Breakthrough time >480 min (Class 6)

Eye protection

When handling the concentrate: Use safety glasses with a side shield.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm ³)
Liquid	Clear	Characteristic	11,4	-	1,32
Phase changes					
Melting point (°C)		Boiling point (°C)		Vapour pressure (mm Hg)	
-		-		-	
Data on fire and explosion hazards					
Flashpoint (°C)		Ignition (°C)		Self ignition (°C)	
-		-		-	
Explosion limits (Vol %)		Oxidizing properties			



According to EC-Regulation 1907/2006 (REACH)

-	-
Solubility	
Solubility in water	n-octanol/water coefficient
Soluble	-
9.2. Other information	
Solubility in fat	Additional information
-	N/A

SECTION 10: Stability and reactivity

- 10.1. Reactivity**
No data available
- 10.2. Chemical stability**
The product is stable under the conditions, noted in section 7.
- 10.3. Possibility of hazardous reactions**
Non specific.
- 10.4. Conditions to avoid**
Overpressure develops, when exposed to heating (e.g.. sunlight).
- 10.5. Incompatible materials**
Strong acids, strong bases, strong oxidizing agents, and strong reductants agents.
- 10.6. Hazardous decomposition products**
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
No data available.				

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Irritable effects: This product contains substances which are irritable to skin and eyes, or when inhaled. A result of contact with a locally irritable substances, can be, that the area of contact, will be more pruned to take-in of damaging substances such as allergens.

SECTION 12: Ecological information

12.1. Toxicity



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According to EC-Regulation 1907/2006 (REACH)



Substance	Species	Test	Test duration	Result
Silicic acid, sodium salt	Daphnia	EC50	48h	4857 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
No data available.			

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Non specific.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product should be treated as dangerous waste.

Waste

EWC code
200115

Specific labelling

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Contaminated packing

Get at once rid of wrappings, which contains leftovers from the product (the same way as the product).

SECTION 14: Transport information

Non dangerous goods, referring to ADR and IMDG.

14.1 – 14.4

ADR/RID

14.1. UN number
14.2. UN proper shipping name
14.3. Transport hazard class(es)
14.4. Packing group
Notes
Tunnel restriction code

IMDG

UN-no. -
Proper Shipping Name -
Class -
PG* -
EmS -
MP** -
Hazardous constituent -

IATA/ICAO

UN-no.
Proper Shipping Name
Class
PG*

14.5. Environmental hazards

-



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14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

Demands for specific education

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Additional information

Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H290 - May be corrosive to metals.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

The full text of identified uses as mentioned in section 1

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Other symbols mentioned in section 2

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Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

mb

Date of last essential change (First cipher in SDS version)

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Date of last minor change (Last cipher in SDS version)

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