

SAFETY DATA SHEET

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

1.1 Product Identifier

Product Trade Name: Krystaline Add 1 CW

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

Applications: Waterproofing admixture for concrete and mortar.

1.3. Details of the supplier of the safety data sheet

Supplier

Krystaline Technology, S.A.
CIF: A54935788
c/ Nicolás de Bussi nº 52, 03203
Elche parque industrial (Alicante) ESPAÑA
Tel: (+34) 966 443 062
info@krystaline.es
<http://www.krystaline.es>

1.4. Emergency telephone number

Emergency telephone number, +34 966 443 062 (Office hours: 8.30 am – 5.00 pm). Outside of Office Hours, contact your local emergency services.

2. Hazard Identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) N° 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

Health Hazards:

Skin Irrit. 2, H315

Eye Damage. 1, H318

STOT SE 3, H335 (respiratory tract irritation)

2.2. Label Elements

Symbol(s)



The product is classified as dangerous under EC Regulation 1272/2008

Hazard statements:

H315 Causes skin irritation. Skin corrosion/irritation, Hazard Category 2

H318 Causes serious eye damage. Serious eye damage/eye irritation, Hazard Category 1

H335 May cause respiratory irritation. Specific target organ toxicity – Single exposure, Hazard Category 3, Respiratory tract irritation

Precautionary Statements:

P280. Wear protective gloves/protective clothing/eye protection/face protection.

P264. Wash thoroughly after handling.

P260. Do not breathe dust/fume/ gas/mist/vapours/spray

P305+P351+P338+P337+313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

P302+P352+P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

P404. Store in a closed container.

P302+P352+P333+P313: IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

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P405. Store locked up.

2.3 Other Hazards: No known risks.

3. Composition/Information on ingredients

Chemical Description:

Mixture of cement, aggregates and additives.

Dangerous components:

There are no additional ingredients which, within the current knowledge are classified as hazardous to health or environment, such as PBT or vPvB or have been assigned a workplace exposure limit and therefore require reporting in this section.

Name of the ingredient	Content %	EC Regulation no. 1272/2008 [CLP]	Type
Portland Cement CE: 266-043-4 CAS: 65997-15-1	≥ 40 - < 60	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 (Irritating to respiratory system)	[1]
Silicious sand CE: 238-878-4 CAS: 14808-60-7	≥ 15 - < 50	Eye Dam. 1, H318 STOT SE 3, H335 (Irritating to respiratory system)	[1]

[1] Substance classified with a risk to health or the environment.

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to EC Regulation no. 1907/2006, Annex XI

[4] Substance meets the criteria for vPvB according to EC Regulation no. 1907/2006, Annex XIII

[5] Substance that gives rise to an equivalent level of concern.

4. First aid measures

4.1. Description of first aid measures

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of eye contact: Wash off with soap and plenty of water. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before reuse. In case of skin irritation call a physician.

In case of eye contact: Rinse immediately with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get immediate medical advice/attention.

If swallowed: Do not induce vomiting. Get immediate medical advice/attention.

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

Symptoms relating to use: Not present a significant risk under conditions of normal use.

4.3. Protection of first-aiders

Overall information: Never give anything by mouth to an unconscious person. Consult a physician. Show this material safety data sheet to the doctor in attendance.

5. Fire-fighting measures

5.1. Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

Specific hazards: Non-flammable.

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5.3. Advice for firefighters

Protective measures in fire: Do not enter in the fire area without a proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products.

Special measures: Take the usual precautions in case of fire. Avoid release the contaminated extinguishing water which can affect the environment.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

Use personal protective equipment. Deny access to unprotected persons.

6.2. Environmental precautions.

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and materials for containment and cleaning up

Spill cleanup methods: At all times avoid inhalation of product and contact with skin and eyes. Contain the spillage. Keep the material dry if possible. Wear full personal protective equipment when cleaning up, whatever method is chosen.

When the product is in a dry state, avoid airborne dust generation when cleaning up. Avoid dry sweeping. Examples of cleanup methods when in dry state are:

A) Using a vacuum cleaner (Industrial portable units), equipped with high efficiency particulate filters (HEPA filter) or equivalent technique, and place it in a closed and labeled waste container.

B) Wipe up the dust by mopping, wet brushing or water sprays or hoses with a fine mist to avoid the dust becoming airborne. Collect and remove all the slurry out of the work area ensuring the drains are covered.

If the product has become wet, clean up and place in watertight container. Allow material to dry and solidify before disposal. Check current regulations before disposing of spillage, whether in dry state or not.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and storage

7.1. Precautions for safe handling

Usage precautions: Wear appropriate personal protective equipment – see section 8. Do not get in eyes, on skin or on clothing. Do not breathe the dust. Ensure adequate ventilation and have ventilation equipment available if required due to possibility of generation of airborne dust. Avoid mishandling of pails or bags so as to prevent accidental bursting and creation of dust. Keep the product in the original container or in an approved alternative. Store locked up. Empty container may retain product residue and can be dangerous.

Handling: Do not drink or smoke when handling or applying product. Remove contaminated clothing and protective equipment before entering eating areas. Gently wash with plenty of soap and water before eat, drink, smoke or leave the work.

7.2. Condition for safe storage

Storage: Keep container tightly closed and well-ventilated place. Store in accordance with local regulations. Store in original container, in a dry place, protected from direct sunlight, in a dry, cool and well-ventilated area, separated from incompatibles materials, food and drinks. Keep the container tightly closed and sealed until ready to use. Open containers must be carefully closed and kept upright to prevent leakage. Do not store container without label. Use appropriate safety packaging to avoid environmental contamination.

7.3. Specific end use(s) Specific use(s): Contact supplier for more information.

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8. Exposure controls/personal protection

8.1. Exposure controls

Personal protection



Personal protection: Avoid unnecessary exposure.

Respiratory protection: In case of inadequate ventilation wear respiratory protection. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin and body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Others: Do not eat, drink or smoke when handling or applying product.

8.2. Control parameters

Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Powder.

Color: Grey.

Odour: None.

Odour Threshold: Not data available

pH: 11 - 13

Melting/Freezing Point: Not applicable

Auto-ignition temperature [°C]: Not applicable.

Ignition temperature: Not applicable.

Flammability point [°C]: Not applicable.

Initial Boiling Point and Range: Not applicable

Evaporation rate: No data available.

Lower explosion limit [Vol %]: Not data available.

Upper explosion limit [Vol %]: Not data available.

Vapour pressure mm/Hg: Not data available.

Vapour Density: Not applicable.

Density [g/cm³]: 0,9 - 1,0

Water Solubility: Soluble.

Solubility: Water.

Viscosity: No data available

9.2. Other information

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10. Stability and reactivity

10.1. Reactivity

Reactivity: Not established.

10.2. Stability

Chemical stability: No data available.

10.3. Possibility of hazardous reactions

Hazardous reactions: Not established.

10.4. Conditions to avoid

Conditions to avoid: No data available.

10.5. Incompatible materials

Materials to avoid: No data available.

10.6. Hazardous decomposition products

Hazardous decomposition products: No data available.

11. Toxicological Information

11.1. Information on toxicological effects

Acute Toxicity: Not available.

Skin contact: Irritating to skin.

Sensitization: May have an irritating effect on moist skin (due to transpiration of humidity).

Mutagenicity: Not available.

Carcinogenicity: Not available.

Reproductive toxicity: Not available.

Specific Target Organ Toxicity-Single Exposure: Not available.

Specific Target Organ Toxicity-Repeat Exposure: Not available.

Aspiration Hazard: Not available

12. Ecological Information

12.1. Toxicity

Information about toxicity: Not data available.

12.2. Persistence and degradability

Persistence and degradability: Not data available.

12.3. Bio accumulative potential

Bio accumulative potential: Not available.

12.4. Mobility in soil

Mobility in soil: Not available.

12.5. Results of PBT and vPvB assessment

PTB/vPvB: Not available.

12.6. Other adverse effects

Precautions for environmental protection: Avoid release to the environment.

13. Disposal Considerations

13.1. Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.

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Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

14. Transport Information

14.1. UN number or ID number: Not applicable

14.2. UN proper shipping name: Not applicable

14.3. Transport hazard class(es): Not regulated.

14.4. Packaging group: Not regulated.

14.5. Environmental Hazards: Not regulated.

14.6. Special precautions for user: Not regulated under ADG/RID, ADN, IMDG, ICAO/IATA

14.7. Maritime transport in bulk according to IMO instruments: not regulated.

15. Regulatory information

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

Ensure all national and local regulations are observed

15.2. Chemical safety assessment

Chemical Safety Report (CSR) has not been carried out for this product.

16. Other information

Revision: Revision 0

Abbreviations and acronyms:

Skin Irrit. 2: Skin corrosion/irritation, hazard category 2

Eye Dam. 1: Serious eye damage/eye irritation, hazard category 1

STOT SE 3: Specific target organ toxicity – single exposure, hazard category 3

PBT: Persistent, bio accumulative and toxic substances

VPvB: Very persistent and very bio accumulative

CAS: Chemical Abstract Service

ADR: Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG code: International maritime code for dangerous goods for the transport of packaged goods

IATA: International Air Transport Association

ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air

Source of data: Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), Annex II

REACH: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

Full text of H-Statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation

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Additional Information:

Disclaimer

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.