Crystal 2K Crystalline Waterproofing

Safety Data Sheet — polymer-modified two-component crystalline coating

SDS · 16 SECTIONS

This sheet has been prepared in accordance with Regulation (EC) No 1907/2006 (REACH) Annex II and the Turkish Regulation on Safety Data Sheets for Hazardous Substances and Mixtures.

1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY

Product name	DRYVATEC N102 Crystal 2K
Product number	320
Identified use	Cement-based two-component crystalline waterproofing coating
Uses advised against	Any use other than the identified use
Supplier	İMG Teknoloji ve Yapı Kimyasalları A.Ş. Aydınevler Mah. Kırçiçeği Cad. No:25/F Maltepe / İstanbul · TÜRKİYE Tel: +90 850 532 6 999 · www.dryvatec.com.tr
Emergency telephone	DRYVATEC: +90 850 532 6 999 National Poison Information Centre (Türkiye): 114 · Emergency medical: 112 · Fire: 110

2 HAZARDS IDENTIFICATION

Physical hazards	Not classified as hazardous
Health hazards	Skin Irrit. 2 — H315 · Eye Dam. 1 — H318 · Skin Sens. 1B — H317 · STOT SE 3 — H335 · STOT RE 2 — H373
Environmental hazards	Not classified as hazardous
Signal word	DANGER
Hazard statements	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure.
Precautionary statements	P261 Avoid breathing dust. P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves / protective clothing / eye protection / face protection. P302+P352 IF ON SKIN: Wash with plenty of soap and water. 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. P333+P313 If skin irritation or rash occurs: Get medical advice / attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents / container in accordance with local and national regulations.
Supplemental label information	EUH203 Contains chromium (VI). May produce an allergic reaction.
Contains	Portland cement
Other hazards	According to the information available to us, the product does not contain more than 0.1 % of any substance classified as PBT or vPvB.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances: Not applicable. Mixtures:

COMPONENT	CAS / EC NO	REACH	CONC.	CLASSIFICATION
Portland cement	65997-15-1 266-043-4	Exempt	25 – 40 %	Skin Irrit. 2 — H315 Eye Dam. 1 — H318 Skin Sens. 1B — H317 STOT SE 3 — H335
Styrene-acrylic acid ester copolymer (liquid component)	—	—	25 – 50 %	Not classified

The chromium (VI) content is reduced below 0.0002 % of the dry weight by means of a reducing agent. The effectiveness of the reducing agent is limited by the shelf life; product beyond its expiry date must not be used. The residual monomer content of the liquid component is below 0.5 %.

The remaining components are not classified as hazardous or are below the relevant cut-off values. Full text of hazard statements is given in Section 16.

4 FIRST-AID MEASURES

General information	If discomfort persists, seek medical advice. Show this Safety Data Sheet to the medical personnel.
Inhalation	Move the affected person to fresh air and keep at rest in a position comfortable for breathing. If respiratory irritation persists, seek medical advice.
Ingestion	Rinse mouth thoroughly with water. Do NOT induce vomiting. Seek medical advice immediately.
Skin contact	Remove contaminated clothing and wash the skin thoroughly with plenty of water. Wet mortar is alkaline; prolonged contact may cause chemical burns. If redness or itching persists, seek medical advice.
Eye contact	Rinse with water. Do not rub the eyes. Rinse for at least 10 minutes. Remove contact lenses if present and hold the eyelids well apart. Seek medical advice immediately.
Symptoms and effects	Skin: redness, irritation, allergic reaction in sensitised individuals. Eyes: serious irritation and damage, pain, redness. Inhalation: irritation of the throat and nose, coughing.
Medical attention	Treat symptomatically. In case of eye damage an ophthalmological assessment should be carried out.

5 FIREFIGHTING MEASURES

Suitable extinguishing media	The product is not flammable. Use extinguishing media appropriate to the surrounding fire: foam, carbon dioxide, dry chemical powder or water spray.
Unsuitable extinguishing media	Do not use a direct water jet, as this would disperse the dust.
Hazardous combustion products	Thermal decomposition products may contain hazardous gases and vapours.
Advice for firefighters	Wear positive-pressure self-contained breathing apparatus and firefighting clothing complying with EN 469.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions	Use the protective equipment specified in Section 8. Avoid the formation of dust clouds; ventilate the area.
Environmental precautions	Prevent release into drains, watercourses or soil.
Methods for cleaning up	Collect mechanically or by vacuum rather than sweeping; do not raise dust. Collected waste is sent for disposal in a closed container.
Reference to other sections	See Section 8 for personal protection, Section 11 for health hazards and Section 13 for disposal.

7 HANDLING AND STORAGE

Safe handling	Avoid the formation and inhalation of dust. Ventilate the area during mixing. Use the protective equipment specified in Section 8.
Occupational hygiene	Wash immediately if the skin becomes contaminated. Remove contaminated clothing and wash before re-use. Do not eat, drink or smoke when using this product.
Storage conditions	Powder component 12 months in the unopened kraft bag, stored dry. Liquid component stored protected from frost; a frozen component must not be used.
Storage class	Chemical storage.
Specific end uses	Identified uses are described in Section 1.2.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters	An airborne concentration limit of 10 mg/m³ for nuisance dust should be observed.
Engineering controls	Provide adequate ventilation. Control dust at source.
Eye / face protection	Approved close-fitting safety goggles must be worn.
Hand protection	Wear protective gloves. The most suitable glove should be selected in consultation with the glove supplier, who can advise on breakthrough time. As wet mortar is alkaline, prolonged contact must be prevented.
Respiratory protection	Use suitable respiratory protection where ventilation is inadequate. A dust mask is mandatory where the dust concentration exceeds 10 mg/m³.
Body protection	Long-sleeved work clothing must be worn.
Environmental controls	Keep containers tightly closed when not in use.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance — powder	Powder
Colour — powder	Grey
Appearance — liquid	White emulsion
Odour	Characteristic
pH (aqueous mix)	Alkaline (> 11)
Density	1.69 ± 0.1 g/cm³
Flash point	Not applicable
Flammability	Not flammable
Solubility	Powder component insoluble in water
Explosive properties	No data available
Oxidising properties	Not applicable

10 STABILITY AND REACTIVITY

Reactivity	No reactive hazard is known in the dry state. On contact with water the hydration reaction begins and heat is released.
Chemical stability	Stable under the recommended storage conditions.
Possibility of hazardous reactions	No hazardous reactions are known.
Conditions to avoid	Unintended contact with moisture and water; leaving the container open.
Incompatible materials	Strong acids. Amphoteric metals such as aluminium and zinc may release hydrogen on contact with wet alkaline mortar.
Hazardous decomposition products	No decomposition occurs when used and stored as recommended.

11 TOXICOLOGICAL INFORMATION

Skin corrosion / irritation	Causes skin irritation. Prolonged contact with wet mortar may cause alkaline chemical burns.
Serious eye damage / irritation	Causes serious eye damage.
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	May cause an allergic skin reaction (H317). Water-soluble chromium (VI) in cement is a known sensitiser.
Germ cell mutagenicity	Based on available data the classification criteria are not met.
Carcinogenicity	Based on available data the classification criteria are not met.
Reproductive toxicity	Based on available data the classification criteria are not met.
STOT	Single exposure: respiratory irritation (H335). Repeated exposure: damage to organs through prolonged or repeated exposure (H373).
Aspiration hazard	Based on available data the classification criteria are not met.

12 ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. Release of large quantities into water may raise the pH and adversely affect aquatic organisms.
Persistence and degradability	Not applicable to inorganic components.
Bioaccumulative potential	No data available.
Mobility in soil	The hardened product is immobile.
PBT / vPvB assessment	The product does not contain more than 0.1 % of any substance classified as PBT or vPvB.
Other adverse effects	Do not discharge into drains or watercourses.

13 DISPOSAL CONSIDERATIONS

Waste treatment	Unused product and contaminated packaging must be handed over to authorised waste disposal contractors in accordance with local and national regulations. Do not discharge into drains.
Hardened product	Hardened mortar may be treated as inert construction waste.
Packaging	Empty packaging must be completely emptied. Uncleaned packaging is disposed of in the same way as the product.
Waste code	The waste code is to be assigned by the user according to the field of application and the applicable waste regulations.

14 TRANSPORT INFORMATION

Road (ADR/RID)	Not classified as dangerous goods.
Sea (IMDG)	Not classified as dangerous goods.
Air (ICAO/IATA)	Not classified as dangerous goods.
UN number	Not applicable.
Environmental hazards	The product is not classified as environmentally hazardous.
Special precautions	Packaging must be kept dry.

15 REGULATORY INFORMATION

Regulations	Regulation (EC) No 1907/2006 (REACH), Annex II as amended. Regulation (EC) No 1272/2008 (CLP) on classification, labelling and packaging. Türkiye: Regulation on Safety Data Sheets for Hazardous Substances and Mixtures (OG 29204, 13.12.2014); SEA Regulation (OG 28848); KKDİK Regulation (OG 30105).
Chromium (VI) restriction	Cement and cement-containing mixtures may not be placed on the market if they contain more than 0.0002 % soluble chromium (VI) of the total dry weight of the cement.
Chemical safety assessment	No chemical safety assessment has been carried out for this mixture.

16 OTHER INFORMATION

Hazard statements (full text)	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. EUH203 Contains chromium (VI). May produce an allergic reaction.
Abbreviations	STOT: Specific target organ toxicity · PBT: Persistent, bioaccumulative and toxic · vPvB: Very persistent and very bioaccumulative · ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road · IMDG: International Maritime Dangerous Goods Code
Revision	Revision 1.0 — July 2026. This sheet supersedes all previous editions.
Disclaimer	The information in this sheet is based on the data available to us at the date of issue and describes the product solely in terms of safety requirements; it may not be construed as a warranty of product properties. The user is responsible for assessing the product in the light of their own conditions of use.