

MATERIAL SAFETY DATA SHEET “KORREKTOR GREEN Water Based”**1) IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**

Commercial name: Korrektor Green Water Based – Kristall H₂O
Intended use: Protecting and Reviving Product for Coloured Marbles and Granites
COMPANY IDENTIFICATION: **KLINDEX srl**

s.s.5 Tiburtina Valeria km 209+200
65024 Manoppello (PE) ITALIA
Tel: (+39) 085 859 8546 Fax: (+39) 085 8599 224
Web: www.klindex.it
Mail: info@klindex.it

Emergency Number: Carlo Pardi (+39) 085 859 8546
Francesco Curri (+39) 335 7518080
Centro Antiveneni Roma (+39) 06 3054343 / (+39) 06 490663

2) COMPOSITION / INFORMATION ON INGREDIENTS**Contains:**

Identification.	Conc. %.	Classification
PROPAN-2-OL Cas No 67-63-0 CE No 200-661-7 Index No 603-117-00-0	10,5 <= C < 12	R 67 F R 11 Xi R 36 Remarks Note 6
ethoxylated Cas No 9043-30-5	1,5 <= C < 2	Xn R 22 Xi R 41 N R 51/53
Water Cas No 7732-18-5	86-88	

The complete text of -R- phrases is specified in section 16.

3) HAZARDS IDENTIFICATION**Substance/Preparation Classification**

This prepare is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this prepare requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

R phrases: 52/53

Danger Identification

HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

4) FIRST AID MEASURES

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.

INHALATION: Remove to open air. If breathing is irregular, seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5) FIRE-FIGHTING MEASURE

Closed containers exposed to the heat of a fire may lead to pressure rise and explode. For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures, refer to the other sections of this sheet.

Extinguishing measures: CO₂, foam, chemical powder for flammable liquids. Water may not be effective to extinguish the fire, nevertheless it should be used to cool the containers exposed to flames and prevent fires and explosions. For leakage and spillage that have not caught fire, nebulized water may be used to disperse the flammable vapours and protect the people involved in stopping the leakage.

Equipment: wear equipment complete with helmet and face shield and protection of the neck, selfbreathing apparatus at pressure or demand, insulative jacket and trousers, with bands around the arms, legs and waist.

6) ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition. Cover with inert absorbent material. Collect spillages by means of sparkproof equipment. Use water only to remove residuals, so as not to run the risk of entering the sewer.

Do not let the product dry. Contaminated clothes must be left to soak in water before washing. In order to choose safety measures and protection equipment, please see the other sections of this sheet.

Spillage in waters: remove the liquid from the surface with flameproof pumps or manual pumps or suitable absorbent material. Resort to sinking and/or dispersion of the product with suitable substances in open waters, if permitted by the law.

7) HANDLING AND STORAGE

Avoid the accumulation of electrostatic charges. Store the containers sealed and in a well ventilated place. Vapours may ignite with explosion, it is therefore necessary to avoid accumulation keeping the windows and doors open, ensuring crossventilation.

Without adequate ventilation, the vapours may accumulate at the bottom and ignite at a distance, if triggered off, with the risk of flashback. Keep far away from sources of heat, sparks and naked flames. Do not smoke, use matches or lighters. Keep the containers earthed while decanting and wear antistatic boots.

Vigorous stirring and flow through the pipings and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product. In order to avoid the risk of fire outbreak and explosion never use compressed air during movement.

8) EXPOSURE CONTROLS/ PERSONAL PROTECTION

PROPAN-2-OL

TLV TWA 491 mg/m³ ACGIH

TLV STEL 982 mg/m³ ACGIH

TLV of solvent mixture: 387 mg/mc

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures, such as: masks suitable for the product, goggles, gloves and overall. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

9) PHYSICAL AND CHEMICAL PROPERTIES

Colour	white
Odour	mild
Appearance	liquid
Solubility	miscible with water
Viscosity	N.A.
Vapour density	N.A.
Evaporation Rate	N.A.
Reactive Properties	N.A.
Partition coefficient: n-octanol/water.	N.A.
pH	N.A.
Boiling point	N.A.
Flash point	N.A.

Explosive properties	N.A.	
Vapour pressure	N.A.	
Specific gravity	Circa 1	Kg/l
VOC (Directive 1999/13/EC) :	3,00 %	
VOC (volatile carbon) :	1,81 %	

10) STABILITY AND REACTIVITY

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbonoxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

11) TOXICOLOGICAL INFORMATION

PROPAN-2-OL:

oral LD50 (mg/kg) 12800 (RAT) ; dermal LD50 (mg/kg) 12800 (RAT) ; inhalation LC50 (rat) 72,6 mg/l/4h

12) ECOLOGICAL INFORMATION

This product is dangerous for the environment and the aquatic organisms. In the long term, it may even have negative effects on the aquatic environment.

13) DISPOSAL CONSIDERATIONS

Consider the possibility of burning the product in a suitable incenerator. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill.

14) TRANSPORT INFORMATION

This substance is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

15) REGULATORY INFORMATION

Warning symbols: None

- R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

Caution recommendations (S): None

Danger labelling under directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

16) OTHER INFORMATION

Text of -R- phrases quoted in section 2 of the sheet.

- R 11 HIGHLY FLAMMABLE.
- R 22 HARMFUL IF SWALLOWED.
- R 36 IRRITATING TO EYES.
- R 41 RISK OF SERIOUS DAMAGE TO EYES.
- R 51/53 TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
- R 67 VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments;
2. Directive 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);

3. Directive 91/155/EEC and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product. This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Changes to previous review

The following sections were modified:

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