

1 Identification of the substance/preparation and of the company/undertaking

- Product details
- Trade name: **KRISTAL AquaGreen WB Thinner for Waterborne**
- Article number: 1050
- Application of the substance / the preparation Waterbased thinner
- Manufacturer/Supplier:
 Kristal Coatings B.V.
 Platinawerf 22B
 6641 TL Beuningen - Holland
 Tel: 0031 24 67 526 36
 Fax: 0031 24 67 533 60
- Further information obtainable from: info@kristalcoatings.nl
- Information in case of emergency: 0031 24 67 526 36

2 Hazards identification

- Hazard description: Not applicable.
- Information concerning particular hazards for human and environment:
 The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
 S46 If swallowed, seek medical advice immediately and show this container of label

3 Composition/information on ingredients

- Chemical characterization
- Description: Mixture of substances listed below with nonhazardous additions.

- Additional information: For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- General information: Get medical attention if any discomfort continues. General first aid, rest, warmth and fresh air. NOTE! Effects may be delayed. Keep affected person under observation.
- After inhalation: Move person into fresh air and keep at rest.
- After skin contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing of soaked through and flush skin with water/ Get medical attention of any discomfort continues.
- After eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Do not rub eye. Get medical attention of any discomfort continues.
- After swallowing: Immediately rinse mouth and drink plenty of water. If person becomes uncomfortable or if ingested in large amount (100-150 ml for an adult person): Take to hospital along with these instructions.

5 Fire-fighting measures

- Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions: In case of spills, beware of slippery floors and surfaces.
- Measures for environmental protection:
 Avoid discharge to the aquatic environment.
 Avoid discharge into drains.
- Measures for cleaning/collecting:
 No specific clean-up procedure noted.
- Additional information: No dangerous substances are released.

(Contd. on page 2)

 Trade name: **KRISTAL AquaGreen WB / Solids**

(Contd. of page 1)

7 Handling and storage

- . Handling:
 - . Information for safe handling:
Read and follow manufacturer's recommendations. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Avoid eating, drinking and smoking when using the product. Avoid inhalation of vapours and spray mists. Avoid contact with eyes.
 - . Information about fire - and explosion protection: No special measures required.
 - . Storage: Keep upright. Store in tightly closed original container.
 - . Requirements to be met by storerooms and receptacles: No special requirements.
 - . Information about storage in one common storage facility: Not required.
 - . Further information about storage conditions: None
-

8 Exposure controls/personal protection

- . Additional information about design of technical facilities: No further data; see item 7.
- . Ingredients with limit values that require monitoring at the workplace:
- . Additional information: The lists valid during the making were used as basis.
- . Personal protective equipment:
- . General protective and hygienic measures: Do not inhale gases / fumes / aerosols.
- . Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- . Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- . **Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- . **Penetration time of glove material**

Value for the permeation: Level \geq > 480 min for 2-butoxyethanol

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.



Tightly sealed goggles

Goggles recommended during refilling

Trade name: **KRISTAL AquaGreen WB / Solids**

(Contd. of page 2)

9 Physical and chemical properties

. General Information

Form: Clear liquid
 Colour: Water-white

. Change in condition

Melting point/Melting range: Undetermined.
 Boiling point/Boiling range: Undetermined.

. Flash point: Undetermined.

. Ignition temperature: Undetermined.

. Self-igniting: Product is not selfigniting.

. Danger of explosion: Product does not present an explosion hazard.

. Vapour pressure at 20°C: Undetermined.

. Density at 20°C: Undetermined.

. Solubility in / Miscibility with water: Fully miscible.

. pH-value at 20°C: Undetermined.

10 Stability and reactivity

. Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

. Dangerous reactions: No dangerous reactions known.

. Dangerous decomposition products: No dangerous decomposition products known.

11 Toxicological information

. Acute toxicity:

. Primary irritant effect:

. on the skin: No irritant effect.

. on the eye: No irritating effect.

. Sensitization: No sensitizing effects known.

. Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

. General notes:

Not regarded as dangerous for the environment.

13 Disposal considerations

. Product:

. Recommendation: Smaller quantities can be disposed of with household waste.

. Uncleaned packaging:

. Recommendation: Disposal must be made according to official regulations.

. Recommended cleansing agents: Water, if necessary together with cleansing agents.

(Contd. on page 4)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 14.11.2012

Revision: 06.07.2012

Trade name: **KRISTAL AquaGreen WB / Solids**

(Contd. of page 3)

14 Transport information

- . Land transport ADR/RID (cross-border)
- . ADR/RID class: -
- . Maritime transport IMDG:
- . IMDG Class: -
- . Marine pollutant: No
- . Air transport ICAO-TI and IATA-DGR:
- . ICAO/IATA Class: -
- . UN "Model Regulation": -

15 Regulatory information

- . Labelling according to EU guidelines:
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . Department issuing MSDS: Product safety department.
- . Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
VOC: Volatile Organic Compounds (USA, EU)