

Date: 28.5.2014

Former date:

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1 Identification of the substance or preparation****Trade name**

Crystal Color RED-LINE, Crystal Color BLUE-LINE, Crystal Color GOAL CREASE

**Code of the preparation****Reach registration number****1.2 Use of the substance/preparation****1.2.1 The uses of the chemical**

Red Ice paint

**1.2.2 Classification of economic activities (NACE)**  20**1.2.3 Use categories (UC62)** 10**1.2.4 The chemical can be used by the general public** **1.2.5 The chemical is used by the general public only** **1.3 Company/undertaking identification****1.3.1 Manufacturer, importer, other undertaking**

Prorink International Co., LTD

**1.3.2 Contact information:****Street address**

Valajantie 2

**Postcode and post office**

86300 Oulainen

**Post-office box****Postcode and post office****Telephone number**

+358-8-474605

**Telefax**

+358-8-474606

**E-mail address**

prorink@prorink.com

**Y code**

1469362-9

**1.3.3 Information on the foreign manufacturer****1.4 Emergency telephone****1.4.1 Telephone number, name and address****2. HAZARDS IDENTIFICATION**

The product is not classified hazardous according to the Regulation (EC) No 1272/2008 and the Council Directives 67/548/EEC and 99/45/EEC.

**3. COMPOSITION AND INFORMATION ON INGREDIENTS****3.1 Hazardous ingredients**

3.1.1 CAS/EC number and the Registration number	3.1.2 Name of the ingredient	3.1.3 Concentration	3.1.4 Classification (symbol letters and R phrases) and other data on the ingredient
66425-44-5-500-211-2	Amides, coco alkyl, H-(hydroxyethyl), ethoxylated	$\geq 0,1 - < 5 \%$	Xi, R41
66455-29-6-266-368-1	Betaines, C12-14-alkylmethyl	$\geq 0,1 - < 1 \%$	Xi; R36/38 N; R50

**3.1.5 There has been a request for confidentiality of a substance according to Annex 2 of the decree**

**3.1.6 A substance not dangerous has been indicated as confidential**

**3.1.7 Other information**

<b>4.</b>	<b>FIRST AID MEASURES</b>
<b>4.1</b>	<b>Special instructions</b> General indications: No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice. Victim to lie down in the recovery position, cover and keep him warm. Never give anything by mouth to an unconscious person.
<b>4.2</b>	<b>Inhalation</b> Move to fresh air. Give symptomatic treatment as necessary.
<b>4.3</b>	<b>Skin contact</b> Wash with soap and water.
<b>4.4</b>	<b>Eye contact</b> Wash with water or neutral eyewash solution. Seek medical advice.
<b>4.5</b>	<b>Ingestion</b> If accidentally swallowed obtain immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.
<b>4.6</b>	<b>Information for a doctor or other professionals giving first aid</b>
<b>5.</b>	<b>FIRE-FIGHTING MEASURES</b>
<b>5.1</b>	<b>Suitable extinguishing media</b> Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>5.2</b>	<b>Extinguishing media which shall not be used for safety reasons</b> High volume water jet
<b>5.3</b>	<b>Special exposure hazards in a fire</b> Fire will produce dense black smoke containing hazardous combustion products.
<b>5.4</b>	<b>Special protective equipment for fire-fighters</b> Exposure to decomposition products may be a hazard to health. In the event of fire, wear self-contained breathing apparatus.
<b>5.5</b>	<b>Other instructions</b> Standard procedure for chemical fires. Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>6.</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
<b>6.1</b>	<b>Personal precautions</b> Ensure adequate ventilation.
<b>6.2</b>	<b>Environmental precautions</b> Prevent leakages from entering drains and ditches that lead to natural waterways.
<b>6.3</b>	<b>Methods for cleaning up</b> Use any suitable mechanical means (e.g. vacuum, sweeping).
<b>6.4</b>	<b>Other instructions</b>
<b>7.</b>	<b>HANDLING AND STORAGE</b>
<b>7.1</b>	<b>Handling</b> Avoid contact with skin and eyes. Do not breathe vapours/dust. Smoking, eating and drinking should be prohibited in the application area. For personal protection use gloves and eye protection equipment.
<b>7.2</b>	<b>Storage</b> Fire Precautions: Well ventilated location away from sources of heat, ignition and direct sunlight. No smoking. Storage conditions/ Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid freezing when storage. packing material: Metal can. Keep in a dry place. Incompatible products: No restrictions
<b>7.3</b>	<b>Specific use(s)</b> Consult the technical guidelines for the use of this product correctly.
<b>8.</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
<b>8.1</b>	<b>Exposure limit values</b>
<b>8.1.1</b>	<b>HTP values (in Finland)</b>

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8.1.2 Other limit values

8.1.3 Limit values in other countries

8.1.4 DNELs

8.1.5 PNECs

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## 8.2 Exposure controls

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### 8.2.1 Occupational exposure controls

Contains no substances with occupational exposure limit values.

#### 8.2.1.1 Respiratory protection

A respirator must be used if the dust concentration is likely to exceed the occupational exposure limit. At higher concentrations wear particle filter DIN EN 143 - P2.

#### 8.2.1.2 Hand protection

Prolonged exposure should be avoided by wearing suitable protective gloves and clothing.

#### 8.2.1.3 Eye protection

The use of an approved dustproof goggles is recommended if the dust concentration is likely to exceed the occupational exposure limit. Availability to a eye wash with pure water.

#### 8.2.1.4 Skin protection

Prolonged exposure should be avoided by wearing suitable protective gloves and clothing.

### 8.2.2 Environmental exposure controls

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 General information (physical state, colour and odour)

Appearance: liquid

Colour: red

Odour: slight

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### 9.2 Important health, safety and environmental information

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#### 9.2.1 pH

7 - 9

#### 9.2.2 Boiling point/boiling range

Not determined

#### 9.2.3 Flash point

100 °C

#### 9.2.4 Flammability (solid, gas)

Not determined

#### 9.2.5 Explosive properties

#### 9.2.6 Oxidising properties

#### 9.2.7 Vapour pressure

#### 9.2.8 Relative density

#### 9.2.9 Solubility

not determined

#### 9.2.10 Water solubility

insoluble

#### 9.2.11 Partition coefficient: n-octanol/water

#### 9.2.12 Viscosity

#### 9.2.13 Vapour density

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**9.2.14 Evaporation rate**

**9.3 Other information**

**10. STABILITY AND REACTIVITY**

**10.1 Conditions to avoid**

Stable under recommended storage conditions

**10.2 Materials to avoid**

**10.3 Hazardous decomposition products**

Under fire conditions

**11. TOXICOLOGICAL INFORMATION**

**11.1 Acute toxicity**

Betaines, C12-14 -alkyldimethyl: LD50 Oral rat: > 2.000 mg/kg

Amides, coco alkyl, N-(hydroxyethyl), ethoxylated: LD50 rat >5.000,1 mg/kg

**11.2 Irritation and corrosivity**

Result Betaines, C12-14 -alkyldimethyl: Skin irritation.

Result Betaines, C12-14 -alkyldimethyl: Eye irritation

Result Amides, coco alkyl, N-(hydroxyethyl), ethoxylated: Rabbit 4 h- no skin irritation

Result Amides, coco alkyl, N-(hydroxyethyl), ethoxylated: Rabbit - risk of serious damage to eyes.

Method OECE test guideline 405.

**11.3 Sensitisation**

N/A

**11.4 Sub-acute, sub-chronic and prolonged toxicity**

**11.5 Human health effects based on experience**

Skin contact: Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

Eye contact: The liquid splashed in the eyes may cause irritation and reversible damage. According to the classification criteria of the European Union the product is not considered as being an eye irritant. .

Ingestion: no data available

persistent symptoms, consult a doctor.

**11.6 Other information on health effects**

**12. ECOLOGICAL INFORMATION**

**12.1 Ecotoxicity**

**12.1.1 Aquatic toxicity**

Betaines, C12-14 -alkyldimethyl

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 2,2 mg/l, Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 0,87 mg/l, Exposure time: 48 h

Toxicity to algae: IC50:1,17 mg/l, Exposure time: 72 h

Amides, coco alkyl, N-(hydroxyethyl), ethoxylated

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 1 - 10 mg/l, Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates: N/A

Exposure time:

Toxicity to algae: IC50:190 mg/l, Exposure time: 16 h

**12.1.2 Toxicity to other organisms**

Betaines, C12-14 -alkyldimethyl

Biodegradability: Biodegradation: >60%, Exposure time 28 d. Method: Closed Bottle test Readily biodegradable, according the appropriate OECE test.

Amides, coco alkyl, N-(hydroxyethyl), ethoxylated

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Biodegradability: Biodegradation: >60%, Exposure time 28 d. Method: OECD Test Guideline 301 biodegradable, according the appropriate OECE test.

**12.2 Mobility**

No data available.

**12.3 Persistence and degradability**

**12.3.1 Biodegradation**

Betaines, C12-14 -alkyldimethyl: No data available  
Amides, coco alkyl, N-(hydroxyethyl), ethoxylated: Bioaccumulation is unlikely.

**12.3.2 Chemical degradation**

No data available

**12.4 Bioaccumulative potential**

No data available

**12.5 Results of PBT assessment**

No data available

**12.6 Other adverse effects**

**13. DISPOSAL CONSIDERATIONS**

Product: The product should not be allowed to enter drains without consulting local authorities. The product should not be entered to water courses or soil.

**14. TRANSPORT INFORMATION**

**14.1 UN number**

No dangerous goods

**14.2 Packing group**

No dangerous goods

**14.3 Land transport**

**14.3.1 Transport class**

No dangerous goods

**14.3.2 Risk code**

No dangerous goods

**14.3.3 Name according to bill of freight**

No dangerous goods

**14.3.4 Other information**

No dangerous goods

**14.4 Sea transport**

**14.4.1 IMDG class**

ICAO/IATA-DGR

**14.4.2 Correct technical name**

**14.4.3 Other information**

Not dangerous goods in the meaning of ADR/RID, ADN

**14.5 Air transport**

**14.5.1 ICAO/IATA class**

No dangerous goods

**14.5.2 Correct technical name**

No dangerous goods

**14.5.3 Other information**

No dangerous goods

**15. REGULATORY INFORMATION**

**15.1 Information on the label**

**15.1.1 Danger symbols (letters) and indications of danger**

No dangerous goods

**15.1.2 Substances to be named on the label**

No dangerous goods

**15.1.3 R phrases**

R-41: Risk of serious damage

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- 15.1.4 **to eyes.  
S phrases**
  - 15.1.5 **Special provisions concerning the labelling of certain preparations**
  - 15.1.6 **Chemical Safety Assessment has been carried out for the following substances**
  - 15.2 **National regulations**  
Water contaminating class: Betaines, C12-14 -alkyldimethyl: WGK 2 Water endangering  
Other regulations: The product is classified and labelled in accordance with EC directives.
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- 16. OTHER INFORMATION**
- 16.1 **List of relevant R phrases**
  - 16.2 **Training advice**
  - 16.3 **Recommended restrictions on use**
  - 16.4 **Further information**
  - 16.5 **Sources of key data used to compile the Safety Data Sheet**
  - 16.6 **Information which has been added, deleted or revised**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is given is designated only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is material designated and may not be valid for such material used in combination with any other materials or in any other process, unless specified in the text.