

Date: 8.8.2012

Former date:

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

Trade name

Crystal ice paint

Code of the preparation

Reach registration number

1.2 Use of the substance/preparation**1.2.1 The uses of the chemical**

White 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
13463-67-7	Titanium Dioxide	20 – 100 %	-
1332-58-7	Kaolin	0 – 80 %	-
	Classified	< 1 %	-

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**

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4.	FIRST AID MEASURES
4.1	Special instructions General indications: No hazards which require special first aid measures.
4.2	Inhalation Move to fresh air. Give symptomatic treatment as necessary.
4.3	Skin contact Wash with soap and water.
4.4	Eye contact Wash with water or neutral eyewash solution.
4.5	Ingestion Do not induce vomiting. Give up to 200 ml water. In case of persistent symptoms, consult a doctor.
4.6	Information for a doctor or other professionals giving first aid
5.	FIRE-FIGHTING MEASURES
5.1	Suitable extinguishing media No restrictions
5.2	Extinguishing media which shall not be used for safety reasons
5.3	Special exposure hazards in a fire The product itself does not burn. Product is inert, not flammable and incombustible
5.4	Special protective equipment for fire-fighters
5.5	Other instructions
6.	ACCIDENTAL RELEASE MEASURES
6.1	Personal precautions Avoid dust formation. Ensure adequate ventilation.
6.2	Environmental precautions Avoid dust dispersion to the environment. Dust may cause the surroundings to become white. Prevent leakages from entering drains and ditches that lead to natural waterways.
6.3	Methods for cleaning up Use any suitable mechanical means (e.g. vacuum, sweeping), but avoid dusting during clean-up.
6.4	Other instructions
7.	HANDLING AND STORAGE
7.1	Handling Avoid dust formation during handling. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. In case of insufficient ventilation, wear suitable respiratory equipment.
7.2	Storage Fire Precautions: The product is not flammable Storage conditions/ packing material: Keep in a dry place. Incompatible products: No restrictions
7.3	Specific use(s) Soluble in hot and cold water used for ice painting.
8.	EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1	Exposure limit values
8.1.1	HTP values (in Finland)
8.1.2	Other limit values
8.1.3	Limit values in other countries
8.1.4	DNELs

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8.1.5 PNECs

8.2 Exposure controls

8.2.1 Occupational exposure controls

Maintain exposures below applicable exposure limits.

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

8.2.1.4 Skin protection

TiO₂ pigments are not irritant but as with all fine powders can adsorb moisture and natural oils from the surface of the skin during prolonged exposure. Prolonged exposure should be avoided by wearing suitable protective gloves and clothing.

8.2.2 Environmental exposure controls

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information (physical state, colour and odour)

9.2 Important health, safety and environmental information

9.2.1 pH

9.2.2 Boiling point/boiling range

9.2.3 Flash point

9.2.4 Flammability (solid, gas)

9.2.5 Explosive properties

9.2.6 Oxidising properties

9.2.7 Vapour pressure

9.2.8 Relative density

9.2.9 Solubility

9.2.10 Water solubility

Hot and cold water

9.2.11 Partition coefficient: n-octanol/water

9.2.12 Viscosity

9.2.13 Vapour density

9.2.14 Evaporation rate

9.3 Other information

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10.	STABILITY AND REACTIVITY
10.1	Conditions to avoid Handling in windy weather conditions.
10.2	Materials to avoid N/A
10.3	Hazardous decomposition products
11.	TOXICOLOGICAL INFORMATION
11.1	Acute toxicity No hazards which require special first aid measures.
11.2	Irritation and corrosivity
11.3	Sensitisation
11.4	Sub-acute, sub-chronic and prolonged toxicity
11.5	Human health effects based on experience Skin contact: Wash with soap and water. Eye contact: Wash with water or neutral eyewash solution. Ingestion: Do not induce vomiting. Give up to 200 ml water. In case of persistent symptoms, consult a doctor.
11.6	Other information on health effects Acute Potential Health Effects: Skin: Dust may cause skin irritation. Eyes: Dust may cause eye irritation. Ingestion: May cause irritation of the digestive tract. Low hazard for usual industrial handling. Inhalation: Dust may cause respiratory tract irritation. Low Hazard for usual industrial handling. Chronic Potential Health Effects: Prolonged exposure may affect the stomach and respiratory system. The NIOSH Pocket Guide lists the respiratory system and stomach as target organs. Chronic inhalation may cause a particular type of pneumoconiosis called Kaolinosis. It is characterized by positive x-ray findings and mild reductions in pulmonary function. Pure Kaolin is apparently not fibrogenic and does not induce debilitating silicosis. However, if it is contaminated with crystalline silica it may produce severe lung effects, including emphysema and pulmonary fibrosis due to the contaminating silica.
12.	ECOLOGICAL INFORMATION
12.1	Ecotoxicity
12.1.1	Aquatic toxicity
12.1.2	Toxicity to other organisms
12.2	Mobility Avoid handling in windy weather conditions.
12.3	Persistence and degradability
12.3.1	Biodegradation
12.3.2	Chemical degradation
12.4	Bioaccumulative potential
12.5	Results of PBT assessment
12.6	Other adverse effects
13.	DISPOSAL CONSIDERATIONS Waste must be disposed of in accordance with local environmental control regulations.

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14.	TRANSPORT INFORMATION
14.1	UN number N/A
14.2	Packing group N/A
14.3	Land transport
14.3.1	Transport class None listed
14.3.2	Risk code None listed
14.3.3	Name according to bill of freight Crystal white ice paint powder
14.3.4	Other information
14.4	Sea transport
14.4.1	IMDG class None listed
14.4.2	Correct technical name Titanium dioxide and kaolin mixture
14.4.3	Other information
14.5	Air transport
14.5.1	ICAO/IATA class None listed
14.5.2	Correct technical name Titanium dioxide and kaolin mixture
14.5.3	Other information
15.	REGULATORY INFORMATION
15.1	Information on the label
15.1.1	Danger symbols (letters) and indications of danger
15.1.2	Substances to be named on the label
15.1.3	R phrases
15.1.4	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
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