

Product code: P19.B08

## Material Safety Data Sheet (EU 1907/2006 REACH)

Revision Date: 09/Jun/2010

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### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name: **CRYSTAL SILVER**

Product code: **P19.B08**

Recommended use: For coating metal containers and similar products.

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### 2. HAZARDS IDENTIFICATION

REGULATION (EC) No 1272/2008

Aspiration toxicity

Category 1



#### Label Elements

**contains:** NAPHTHA (PETROLEUM), HEAVY ALKYLATE

Signal word: Danger

**Hazard statements**

H304 - May be fatal if swallowed and enters airways

**Precautionary additional statements**

P301+ P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician

P331 - Do NOT induce vomiting

P405 - Store locked up

P501 - Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Ingredient Name CAS-No.</b>	<b>Approx. Weight %</b>	<b>EU - CLP Substance Classification</b>
NAPHTHA (PETROLEUM) , HEAVY ALKYLATE 64741-65-7	5 - 10	Flam. Liq. 3 (H226) Asp. Tox. 1 (H304) STOT SE 3 (H336) (EUH066)
TIN DIOXIDE 18282-10-5	0.1 - 1	STOT SE 3 (H335)

For the full text of the R-phrases mentioned in this Section, see Section 16

**4. FIRST AID MEASURES**

**General**

If symptoms persist, call a physician. Never give anything by mouth to an unconscious person.

**Inhalation:**

Move to fresh air. If victim is unconscious but breathing: Victim to lie down in the recovery position, cover and keep him warm. If not breathing, give artificial respiration. Obtain medical attention.

**Skin:**

Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners.

**Eyes:**

Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep eye wide open while rinsing.

**Ingestion:**

Keep at rest. If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

**5. FIRE-FIGHTING MEASURES**

**The following actions are recommended**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire will produce dense black smoke containing hazardous combustion products (see heading 10). Wear self contained breathing apparatus for fire fighting if necessary. Cool containers / tanks with water spray.

**Suitable extinguishing media**

Alcohol-resistant foam

Carbon dioxide blanket

High pressure inert gas, e.g. carbon dioxide jet.

Water spray

Mist

Foam

**Extinguishing media which must not be used:**

High volume water jet

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Exclude non essential personnel. Remove all sources of ignition. Ensure adequate ventilation. Do not breathe dust.

## 6. ACCIDENTAL RELEASE MEASURES

### Environmental precautions:

Local authorities should be advised if significant spillages cannot be contained.

### Methods for cleaning up:

Use approved industrial vacuum cleaner for removal. Do not create a powder cloud by using a brush or compressed air.

## 7. HANDLING AND STORAGE

### Handling:

Provide adequate ventilation. Keep container tightly closed. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin and eyes. When using, do not eat, drink or smoke. Store in original container. Avoid dust formation. Dust may form explosive mixture in air. Do not breathe dust.

### Storage:

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Take notice of the directions of use on the label. Keep in a dry, cool and well-ventilated place. Keep away from direct sunlight.

**Storage temperature:** 10 - 30 C

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits:

#### China

#### ACGIH Threshold Limit Value (TLV's)

Ingredient Name CAS-No.	ACGIH time weighted averages	ACGIH short term exposure limits	ACGIH Ceiling limits	ACGIH skin designations
TIN DIOXIDE 18282-10-5	2 mg/m <sup>3</sup> TWA Sn except Tin hydride			

### Engineering measures:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

### Basic Personal Protection

#### Respiration

Wear a positive-pressure supplied-air respirator.

#### Hand protection:

Wear suitable gloves and eye/face protection. Use protective skin cream before handling the product.

#### Skin:

Wear as appropriate: Flame retardant antistatic protective clothing Wear shoes with conductive soles.

#### Eyes:

Wear as appropriate: Safety glasses with side-shields Goggles

### Hygiene measures:

Do not use solvents or thinners to clean skin. When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

**The OES for nuisance dust is 10 mg/m<sup>3</sup> (total dust), 4 mg/m<sup>3</sup> (respirable dust). Check local regulations in case different limits apply.**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	powder
<b>Specific Gravity</b>	2.709
<b>Boiling point/range</b>	171°C
<b>Flash point:</b>	71°C c.c.
<b>Sustains combustion:</b>	yes

## 10. STABILITY AND REACTIVITY

### Stability:

Stable under normal conditions.

### Conditions to avoid:

Stable under recommended storage conditions.

## 10. STABILITY AND REACTIVITY

### Materials to avoid:

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### Hazardous decomposition products:

Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded. Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Smoke nitrogen oxides (NO<sub>x</sub>)

## 11. TOXICOLOGICAL INFORMATION

Ingredient Name CAS-No.	LD50 Oral	LD50 Dermal	LC50 Inhalation
NAPHTHA (PETROLEUM), HEAVY ALKYLATE 64741-65-7	7000 mg/kg ( Rat )	2000 mg/kg ( Rabbit ) 3000 mg/kg ( Rat )	5.04 mg/L ( Rat ) 4 h
TIN DIOXIDE 18282-10-5	20 g/kg ( Rat )		

### General

No data is available on the product itself.

### Skin

Powder can cause localised skin irritation in folds of the skin or under tight clothing.

### Inhalation

not determined

### Ingestion

not determined

### Eyes

not determined

## 12. ECOLOGICAL INFORMATION

Ingredient Name CAS-No.	Freshwater Algae 72 hour - Acute Toxicity Data	Acute Fish toxicity:	Freshwater Daphnia 48 hour - Acute Toxicity Data	Freshwater Water Flea 48 hour - Acute Toxicity Data
NAPHTHA (PETROLEUM), HEAVY ALKYLATE 64741-65-7	= 30000 mg/L Pseudokirchneriella subcapitata			

### Product Information

No data is available on the product itself.

Local pollution requirements may apply to the use of this product. Do not let product enter drains. Do not contaminate surface water.

## 13. DISPOSAL CONSIDERATIONS

### Waste disposal methods:

Do not let product enter drains. Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. Dispose of as special waste in compliance with local and national regulations.

## 14. TRANSPORT INFORMATION

### ADR

Proper shipping name: PIGMENT, NOT REGULATED

### IMDG-Code

Proper shipping name: PIGMENT, NOT REGULATED  
Marine pollutant: no

### IATA-DGR

Proper shipping name: PIGMENT, NOT REGULATED

## 15. REGULATORY INFORMATION

## 16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

H335 - May cause respiratory irritation

H226 - Flammable liquid and vapour

H304 - May be fatal if swallowed and enters airways

H336 - May cause drowsiness or dizziness

EUH066 - Repeated exposure may cause skin dryness or cracking