



MATERIAL SAFETY DATA SHEET STONTIUM CHROMATE PRIMER

1. PRODUCT INFORMATION AND COMPANY DETAILS

Product Name: 2 Pack Epoxy Strontium Chromate
Company Name: Pro-paint Manufacturing (PTY) Ltd
Address: 4 Industrial Crescent
Bronkhorstspuit
1020
Telephone number: 013 932 0020
Fax: 013 932 2254

2. HAZARDS IDENTIFICATION

Physical and Chemical Hazards
Human health
Environment
Classification (1999/45/EEC)
The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Flam. Liq. 2 - H225
Acute Tox. 4 - H332; Skin Ifrit. 2 - H315; Eye Ifrit. 2 - H319; Skin Sens. 1 - H317; Carc. 1A - H350
Aquatic Chronic 2 - H411
Carc. Cat. 1;R45. Xn;R20. Xi;R36/38. R43. F;R11. N;R51/53.

Contains

PHENOL,4,4' - (1-METHYLETHYLIDENE) BIS-POLYMER WITH 2,2'-((1-METHYLETHYLIDENE) BIS (4,1-PHENYLENE OXYMETHYLENE)) BIS (OXIRANE)
STONTIUM CHROMATE
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H350 May cause cancer.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P308+313 IF exposed or concerned: Get medical advice/attention.
P501 Dispose of contents/container to ...



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Supplementary Precautionary Statements

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P261 Avoid breathing vapour/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P321 Specific treatment (see medical advice on this label).
- P370+378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.
- P302+352 IF ON SKIN: Wash with plenty of soap and water.
- P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P313 Get medical advice/attention.
- P332+313 If skin irritation occurs: Get medical advice/attention.
- P333+313 If skin irritation or rash occurs: Get medical advice/attention.
- P337 If eye irritation persists:
- P362 Take off contaminated clothing and wash before reuse.
- P363 Wash contaminated clothing before reuse.
- P391 Collect spillage.
- P403+235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.



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3. COMPOSITION/INFORMATION ON INGREDIENTS

1-METHOXY-2-PROPANOL
BARIUM CHROMATE
BUTYL ACETATE
BENZENE
STRONTIUM CHROMATE
TOLUENE
XYLENE

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4. FIRST AID MEASURES

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

Skin contact

Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if any discomfort continues.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids.

Get medical attention promptly if symptoms occur after washing

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Fire can be extinguished using: Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards

When heated and in case of fire, irritating vapours/gases may be formed. In case of fire, toxic gases may be formed (COx, NOx).

5.3. Advice for firefighters

Special Fire Fighting Procedures

Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out.



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Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

- Wear protective clothing as described in Section 8 of this safety data sheet.
- Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
- Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.
- Wear protective clothing as described in Section 8 of this safety data sheet.

7. HANDLING AND STORAGE

- Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
- Store in tightly closed original container in a dry, cool and well-ventilated place.

Storage Class

Flammable liquid storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

WEL = Workplace Exposure Limit.

Carc = Capable of causing cancer and/or heritable genetic damage.

Sen = Capable of causing occupational asthma.

Sk = Can be absorbed through skin.

- Protective equipment:
 - Process conditions
 - Provide eyewash station.
 - Engineering measures
 - Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. All handling to take place in well-ventilated area.
 - Respiratory equipment
 - Wear mask supplied with: Gas cartridge suitable for organic substances.
 - Hand protection
 - Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).
 - Eye protection
 - Wear splash-proof eye goggles to prevent any possibility of eye contact.
 - Other Protection



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Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Information on basic physical and chemical properties
- | | |
|--------------------------------|-------------------------|
| Relative density | 1.4 |
| Flash point (°C) | 6 - 10 CC (Closed cup). |
| Flammability Limit - Lower (%) | 0.8 |

10. STABILITY AND REACTIVITY

- Reactivity
No specific reactivity hazards associated with this product.
- Chemical stability
No particular stability concerns.
- Possibility of hazardous reactions
Not determined.
- Conditions to avoid
Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.
- Incompatible materials
Materials to Avoid
Strong oxidising substances.
- Hazardous decomposition products
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION

General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation

In high concentrations, vapours may irritate throat and respiratory system and cause coughing. Harmful by inhalation.

Ingestion

Gastrointestinal symptoms, including upset stomach.

Skin contact



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Harmful in contact with skin. Irritating to skin.

Eye contact

Irritating and may cause redness and pain.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Contains a substance which causes risk of hazardous effects to the environment. Avoid releasing to the environment.

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bio accumulative potential

Bio accumulative potential

The product contains potentially bioaccumulating substances.

12.4. Mobility in soil

Mobility:

The product hardens to a solid immobile substance.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Not determined.

13. DISPOSAL CONSIDERATIONS

General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.



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14. TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263

14.2. UN proper shipping name

Proper Shipping Name PAINT (STRONTIUM CHROMATE)

14.3. Transport hazard class(es)

ADR/RID/ADN Class	3
ADR/RID/ADN Class	Class 3: Flammable liquids.
ADR Label No.	3
IMDG Class	3
ICAO Class/Division	3

14.4. Packing group

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

14.6. Special precautions for user

EMS	F-E, S-E
Emergency Action Code	•3YE
Hazard No. (ADR)	33
Tunnel Restriction Code	(D/E)

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration,

Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive

1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive

76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.



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15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

R10 Flammable.

R20/22 Harmful by inhalation and if swallowed.

R20/21 Harmful by inhalation and in contact with skin.

R20 Harmful by inhalation.

R22 Harmful if swallowed.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R65 Harmful: may cause lung damage if swallowed.

R11 Highly flammable

R36/38 Irritating to eyes and skin.

R37 Irritating to respiratory system.

R38 Irritating to skin.

R45 May cause cancer.

R43 May cause sensitisation by skin contact.

R63 Possible risk of harm to the unborn child.

R66 Repeated exposure may cause skin dryness or cracking.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 Vapours may cause drowsiness and dizziness.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard Statements In Full

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H350 May cause cancer.

H373 May cause damage to organs <<Organs>> through prolonged or repeated exposure.

H336 May cause drowsiness or dizziness.

H335 May cause respiratory irritation.

EUH066 Repeated exposure may cause skin dryness or cracking.

H361d Suspected of damaging the unborn child.

H411 Toxic to aquatic life with long lasting effects.



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H410 Very toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.



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