

MATERIAL SAFETY DATA SHEET

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Product Name: **SealXpert™ WR204 WEAR RESISTANT COATING**
MSDS No: 133 Revision No: 5

Issued by: Sam
Issue Date: 01 July 2013

Section 1 – Company Details

Company Name: SealXpert™ Products
Address: 60 Kaki Bukit Place #09-11 Eunos Techpark
Singapore 415979
Tel: +65 6742 4992/6742 4998
Fax: +65 6749 6916
Email: mailbox@sealxpert.com

Section 2 – Composition

Ingredient Name	CAS No	Content (Wt%)
Epoxy resin	25068-38-6	15-30
Toughener		5-10
Curing agent		10-20
Alumina	1344-28-1	35-60
Silicone carbide	409-21-2	10-20
Silicon dioxide	7631-86-9	1-5

Not contains asbestos, lead (Pb), mercury (Hg) and Chrome (Cr⁶⁺)

Section 3 – Hazards Identification

Toxicity: The product is slightly irritating to skin and eyes, it may cause allergic dermatitis.

Primary route of entry: Skin and eyes contact.

Physical Sign and Symptoms: For sensitive individuals, skin contact may cause allergic dermatitis; eye contact can cause moderate irritation.

Effect of excessive contact: Long-term or repeated exposure will aggravate existing skin disease and allergies. Accidental ingestion can cause alimentary tract damage.

Section 4 – First Aid Measures

Inhalation: Move to fresh air, if symptom goes on, get medical attention immediately.

Skin contact: If skin contact, wipe away immediately, then rinse skin with detergent and water, remove contaminated clothes and shoes. Other symptoms should seek medical attention immediately.

Eye contact: Rinse eyes with clean water for at least 15 minutes immediately, and get medical attention.

Ingestion: Don't induce vomiting, keep calm down and get medical attention.

Section 5 – Fire Fighting Measures

Ignition temperature: Not determined

Explosive limit-upper: Not determined

Explosive limit-lower: Not determined

Danger Property: None

Extinguisher media: Water, soil, carbon dioxide, foam, and dry powder extinguishing agent.

Special fire-fighting
Instructions and equipment: As in large fire relating to chemical product, wear positive-pressure, self-contained breathing apparatus and full protective wear. Decide whether to remove or separate this area according to local urgency program.

Harmful burnt products: Carbon monoxide, carbon dioxide, nitrogen dioxide and a trace of unburned carbide.

Extinguisher media to avoid: Not determined

Section 6 – Accidental Release Measures

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Section 7 – Handling and Storage

Handling: Avoid contact with eyes and skin. Avoid inbreathing the vapor. No taken in. Use the product at well ventilated place. Implement good industrial hygiene measures, wash thoroughly after handling, and before eating, smoking or using the toilet. Keep away from spark and fire.

Storage: Stored in dark, cool and dry location. Keep container closed. Store in original container; Keep away from spark and fire, avoid water and moisture.

Section 8 – Exposure Controls / Personal Protection

Eye Protection: Wear appropriate safety glasses.
Skin Protection: Wear rubber or plastic gloves.
Respiratory system protection: Use respiratory protective equipment, unless there is sufficient ventilation equipment.

Section 9 – Physical and Chemical Characteristics

Appearance: Grey Paste
Odor: Slight
PH: N/A
Water Solubility: Slight
Specific Gravity: 2.1
Steam Pressure: N/A
Steam Density: N/A
Volatilization Velocity (ether=1): N/A

Section 10 – Stability and Reactivity

Stability: Stable
Hazardous polymerization: Exothermic reaction will occur with some curing agent, release a mass of heat, lead to polymerization, which is not controllable.
Incompatibility: Strong oxidant, strong acid, strong alkyl, primary aliphatic amine, secondary aliphatic amine.
Condition to avoid: Keep away from heat resource which is over 150°C.
Harmful decomposed production (When not hot decomposition): None

Section 11 – Toxicological Information

Health Harm: Refer to section 3
Sensitization: Not know
Denaturalization: Not know
Procreation Transmissibility: Not know
Cancer: Not know
Other danger information: Unavailable

Section 12 – Ecological Information

Environmental Effect and Distribution: Unavailable

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Environmental Influence: No harmful effect to aquatic organisms.

Biology Accumulation: No biology accumulation ability.

Section 13 – Disposal Considerations

Special Instructions: Observe all federal, state and local laws and regulations.

Section 14 – Transportation Information

The product is non-flammable, it can be transported in normal way.

Section 15 – Regulatory Information

Regulation: Observe the government or local regulations to use the chemical product safely.

Section 16 – Other Information

The information given and recommendations made herein are based on our experience and are believed to be accurate. No guarantee as to or responsibility for their accuracy can be given or accepted, however and no statement herein is to be treated as a representation or warranty, In every case we urge and recommend that purchasers, before using any product, make their own tests to determine, to their own satisfaction, its suitability for their particular purpose under their own operation conditions.