

Material Safety Data Sheet

SMARTCARE UNIVERSEAL PU
Polyurethane Sealant

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY :

Product Name : SMARTCARE UNIVERSEAL PU
Product Type : Polyurethane Sealant
Supplier : Berger Paints Emirates Ltd Co L.L.C
P O Box 27524
Dubai-UAE
Telephone Number : 00-971-43391000
Fax Number : 00-971-43391322

2. COMPOSITION/INFORMATION ON INGREDIENTS:

	<u>Weight %</u>	<u>CAS Number</u>	<u>LEL Vol %</u>	<u>ACGIH TLV-TWA</u>	<u>Risk phrase</u>
• Proprietary polyurethane resins	25 - 60	-	-	-	-
• Titanium Dioxide	2 - 8	13463-67-7	-	-	-
• Calcium Carbonate	10 - 30	471-34-1	-	-	-
• Amorphous silica	2-10	67762-90-7	-	-	-
• PVC Resin	5- 20	9002-86-2	-	-	-
• Other nonhazardous Additives	5 - 20	64742-46-7	-	-	-

3. HAZARDOUS IDENTIFICATION:

This product is not classified as dangerous. Avoid inhalation of atomized material during application.

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4. **FIRST AID MEASURES:**

- General : Remove contaminated clothing
First Aid - Inhalation : Remove to fresh air. If rapid recovery does not occur, obtain medical attention.
First Aid - Skin : Remove contaminated clothing immediately. Wash skin thoroughly with soap and water.
First Aid - Eye : Irrigate copiously with clean, fresh water for atleast 10 minutes, holding the eye lids apart and seek medical advice.
First Aid - Ingestion : Do not induce vomiting. Obtain immediate medical attention.

5. **FIRE FIGHTING MEASURES:**

- Specific Hazards : In a fire or if heated, a pressure increase will occur and the container may damage.
Extinguishing Media : Water spray-mist, foam, dry chemical powder, carbon Dioxide, Sand.

6. **ACCIDENTAL RELEASE MEASURES:**

- Personal precautions : Avoid contact with skin and eyes. Do not breathe vapour. Extinguish naked flames. Remove ignition sources, Avoid sparks.
Personal protection : Wear PVC gloves, safety boots. Wear full face - place respirator with organic vapour canister NPF 400. In a confined space, wear self-contained breathing apparatus open circuit type NPF 2000.
Environmental precautions : Prevent contamination of soil and water.
Processing for Cleaning/Collecting : Contain and collect spillage with non-combustible absorbent materials, e.g., sand, earth or spill control material and place in a container for disposal according to local regulation.

Accidental Release Measures: Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a toxic, corrosive nature or flammability hazard. Collect as much of the spilled material as possible using non-sparking tools. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and MSDS. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

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7. **HANDLING & STORAGE:**

Avoid prolonged or repeated contact with skin. Do not breathe vapour, spray/mists. Extinguish any naked flames. Remove ignition sources. Avoid spark. Do not smoke. Take precautionary measures against static discharges.

Handling temperature : Ambient
Storage : Keep container tightly closed and in a well ventilated place. Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas.
Storage temperature : Ambient.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Engineering Control Measures : Use only in well ventilated areas.
Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hand protection : PVC Gloves. Barrier creams may help to protect the exposed areas of the skin.
Eye protection : Use safety eyewear designed to protect against splash of Products.

9. **PHYSICAL AND CHEMICAL PROPERTIES :**

Specific Physical Form : *Paste*
Color : *Limited*
Odor : *Aromatic*
Specific Gravity : *1.23 (Approximate)*
General Physical Form : *Thixotropic Gel consistency*
Auto ignition temperature : *Not determined*
Flash Point : *Not applicable*
Flammable Limits – LEL : *No Data Available*
Flammable Limits – UEL : *No Data Available*
Boiling point : *Not determined*
pH : *No Data Available*
Melting point : *No Data Available*
Solubility in Water : *Not determined*
Evaporation rate : *No Data Available*
Explosive properties : *No*

10. **STABILITY/REACTIVITY :**

Stability : Stable under the recommended storage and handling Conditions.
Conditions to avoid : Heat.
Materials to avoid : Strong oxidizing agent
Hazardous decomposition Products : Carbon Di-oxide, Carbon Mono-oxide, Nitrogen Oxides.

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11. TOXICOLOGICAL INFORMATION :

There is no data available on the product itself.

Ingestion : Ingestion may result in sore-throat, abdominal pain or Nausea.

12. ECOLOGICAL INFORMATION :

There is no data available on the product itself. The product should not be allowed to enter Drains or water courses or be deposited where it can affect ground or surface waters.

13. DISPOSAL CONDITIONS:

The generation of waste should be avoided or minimized wherever possible. Waste product residues should not be disposed of via the sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way.

14. TRANSPORT INFORMATION:

Not regulated for transport.

By Road / Rail (RID / ADR) : Not restricted

By Sea (IMO/IMDG) : Not restricted

By Air (ICAO-IATA) : Not restricted

The above regulatory prescription is those valid on the date of publication of this sheet. Given the possible evolution of transport regulation for hazardous materials, it would be advisable to check their validity with your sales office.

15. REGULATORY INFORMATION

Inventories

Canada DSL Inventory	Y (Positive listing)
Japan Inventory of ExisIng	Y (Positive listing)
New Chemical Substances (ENCS) Korea ExisIng Chemicals	Y (Positive listing)
Inventory (KECI) China Inventory of Existing	Y (Positive listing)
Chemical Substances Australia Inventory of Chemical	Y (Positive listing)
Substances (AICS) Philippines Inventory of Chemical	Y (Positive listing)
Chemicals and Chemical Substances (PICCS) TSCA list	Y (Positive listing)
On TSCA Inventory EU list of existing chemical	Y (Positive listing)
substances Canada NDSL Inventory	N (Negative listing)

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Berger: Bahrain, Barbados, Jamaica, Oman, Singapore, Trinidad & Tobago, UAE. **Taubmans:** Fiji, Samoa **Scib Paints:** Egypt

Asian Paints: Bangladesh, India, Indonesia, Nepal, Sri Lanka **Apco Coatings:** Fiji, Solomon Islands, Tonga, Vanuatu **Kadisco:** Ethiopia

US Regulatory Information

SARA (311,312) HAZARD CLASS Acute Health Hazard;
Chronic Health Hazard SARA (313) CHEMICALS

Canadian Regulatory Information

WHMIS HAZARD CLASS D2A VERY TOXIC MATERIALS,
D2B TOXIC MATERIALS

Other

SCHDLE B/HTSUS: 3214.10.00.10 Mastic based on rubber

ECCN: EAR99 CALIFORNIA PROPOSITION 65

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

16. DISCLAIMER :

This information is based on our current knowledge and is obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding the correctness. This information is extended to describe the product for the purposes of health, safety and environmental requirements only. The conditions or methods of handling, storage, use or disposal of the product are being our control. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage connected with the handling, storage, use or disposal of the product.

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