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| 1 | PRODUCT AND COMPANY IDENTIFICATION |
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Common Name: Steenvas® **ST100 Epoxy Adhesive A**

Manufacturer: Steenvas Trading CC
Postnet Suite 215, Private Bag X7
Chempet, 7442
Phone: (021) 552 0619

Trade Name: STEENVAS® **ST100 Multi-Purpose Epoxy Adhesive A**

Product ST100
PART A & PART B

Use:
Specific Use: Adhesive
Intended Use: Adhesive Sealant, Adhesive Filler, Bonding Adhesive

IN CASE OF EMERGENCY CALL YOUR LOCAL EMERGENCY CENTRE

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| 2 | COMPOSITION/ INFORMATION ON INGREDIENTS |
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Chemical Family: Epoxy Resin

Formula: Contains Bisphenol A Epichlorohydrin resin and n-Butyl Glycidyl Ethor.

Trade Secret: For Emergency information on ingredients please contact (+27) 71 159 7939

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| 3 | HAZARDS IDENTIFICATION |
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Route of Entry: Skin, Eyes, Inhalation, Ingestion

Skin Contact: May cause skin irritation for those with sensitive skin.

Allergic Skin Reaction: Signs/ symptoms may include redness, swelling, blistering or itching.

Moderate Skin Irritation: Signs/ symptoms may include redness, swelling, itching and dryness.

Eye Contact: May cause mild eye irritation.

Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, blurred or hazy vision.

Inhalation: Not expected to be an inhalation hazard under normal conditions

Ingestion: Not an expected route of entry.

Not expected to cause adverse health effects.

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| 4 | FIRST AID MEASURES |
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- Skin Contact: Wash affected areas with soap and water. If irritation develops, seek medical attention.
- Eye Contact: Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush. Seek medical attention.
- Inhalation: If patient is having difficulty breathing and dizziness, seek medical attention.
- Ingestion: Seek immediate medical attention if gastrointestinal irritation symptoms occur. Do not induce vomiting.

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| 5 | FIRE FIGHTING MEASURES |
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- Autoignition: (°C) N/A
- Flash Point: (°C) (PMCC) 71
- Extinguishing Media: Carbon dioxide, dry chemical powder, foam, water, sand.
- Fire Fighting Equipment: Wear full protective clothing and equipment and wear self-contained breathing apparatus. Seek medical attention if symptoms of inhalation occurs.

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| 6 | SPILL OR LEAK PROCEDURE |
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Accidental Release Measures

- Personal Precautions: Wear appropriate protective clothing. Make sure area is well ventilated. Spilled adhesive may be slippery. Remove ignition sources.
- Environmental Precautions: Keep uncured material out of sewers and drains.
- Clean up Methods: Contain spill. Absorb spilled product with dry sand or earth. Place in suitable closed container and store in a safe location to await disposal. Wash the spill area with soap and water until clean and allow to dry.

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| 7 | HANDLING AND STORAGE |
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- Handling Precautions: Avoid contact with eyes, skin or clothing.
Wash thoroughly after handling. Do not eat, drink or smoke when using the product.
KEEP OUT OF REACH OF CHILDREN. DO NOT INGEST

ST100 Part A (Resin) contains substances that are eye and skin irritants. Prolonged exposure may cause allergic skin reaction on sensitive skin and respiratory tract irritation.

Storage Requirements: Store in a cool dry place. Storage temperature: Ambient. Store away from heat. Store out of direct sunlight. Keep container tightly closed. Store away from food or pharmaceuticals.

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| 8 | EXPOSURE CONTROL AND PERSONAL PROTECTION |
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Engineering Controls: Use in well ventilated area.
 Protective Equipment: *Eye/ Face Protection:* Avoid eye contact. If necessary wear safety glasses.
Skin Protection: Wear suitable gloves if necessary.

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| 9 | PHYSICAL DATA |
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Specific physical form: Liquid Paste
 Colour: Grey
 Autoignition Temp: (°C) N/A
 Flash Point: (°C) (PMCC) 71
 Odour: Mild
 Boiling Point: (°C) N/A
 Density: (@25°C) 1.14kg/l
 Evaporation rate: (nBuAc=1) Weight loss in 24 hours at 23°C = less than 0.01%
 Vapour Pressure: (mBar @ 20°C) N/A
 Vapour Density: (air=1) N/A
 Solubility in Water : @ 20°C Immiscible

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| 10 | STABILITY AND REACTIVITY |
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Stability: Product is stable as supplied.
 Materials to avoid: No hazardous reactions are expected to occur under normal industrial conditions.
 Hazardous Decomposition products: Hazardous decomposition products are not expected to form during normal storage.
 Hazardous Polymerization: Will not occur.

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| 11 | TOXICOLOGICAL INFORMATION |
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Practically non-toxic- oral rat 9.0 g/kg and at most slightly toxic through skin absorption.
 Local contact with eyes and skin may cause irritation. If ST100 is used properly, it is not injurious to health.

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| 12 | ECOLOGICAL INFORMATION |
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Studies on ecological toxicity are not available for this product.

13 DISPOSAL CONSIDERATIONS

Absorb spilled product with dry sand, earth or spill material. Shovel up and place in suitable closed container and store in a safe location to await disposal. Label container awaiting disposal. Dispose of in accordance to local authority regulations.

Container disposal: Drain container thoroughly, Rinse three times with suitable solvent. Treat rinsing as for product disposal.

Reuse and recycle where applicable and appropriate.

14 TRANSPORT INFORMATION

Packaging and Labelling: Non hazardous for all classes of transport.
User label class: SN (Harmful)
Hazchem: None

15 REGULATORY INFORMATION

Contact Steenvas for more information.

Observe the usual precautionary measures for handling chemicals.

16 OTHER INFORMATION

Notice to reader:

To the best of our knowledge, the information contained herein is accurate. However neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy of the information contained herein.

The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes.

Final determination of the suitability of ST100 Part A is the sole responsibility of the user. All chemicals may present unknown hazards and should be used with caution. We cannot guarantee that the hazards listed herein are the only hazards that exist.

END OF MSDS DOCUMENT