SAFETY DATA SHEET

1: IDENTIFICATION OF THE SUBSTANCE I PREPARATION AND OF THE COMPANY /UNDERTAKING

Product Name: **SPECIALIST SUPERSEAL B66**

Application: Concrete and hard surface Sealer.

Company: SCL (Trinidad) Limited

Address: LP# 45 Saddle Road, San Juan, Trinidad

Telephone: (868) 675-5555 Fax: (868) 638-6302

2: COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Clear to pale yellow liquid.

Composition: Solution of Acrylic Resins in Organic Solvent.

Xylene CAS#1330-20-7
Synonyms: Dimethyl benzene; xylol; methyl toluene; 1.4-dimethyl-benzene
Acrylic Resin

3: COMPOSITION AND HAZARDS IDENTIFICATION

1. Xylene CAS#1330-20-7
   Synonyms: Dimethyl benzene; xylol; methyl toluene; 1.4-dimethyl-benzene

The current OSHA PEL for xylene is 100 ppm (435 milligrams per cubic meter mg/m^3 of air) as an 8-hour time-weighted average (TWA) concentration

2. Acrylic Resin: Thermoplastic Acrylic Grade.

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4. FIRST AID MEASURES

SKIN:
If **SPECIALIST SUPERSEAL B66** contacts the skin, workers should immediately wash the affected areas with soap and water.

CLOTIIING:
Clothing contaminated with **SPECIALIST SUPERSEAL B66** should be removed immediately, and provisions should be made for the safe removal of the chemical from the clothing. Persons laundering the clothes should be informed of the hazardous properties of xylene, particularly its potential to cause dryness and irritation of the skin.

ROUTES OF EXPOSURE:
Exposure to xylene can occur via inhalation, ingestion, eye, or skin contact, and, to a small extent, by absorption through the skin.

1. Eye exposure: If **SPECIALIST SUPERSEAL B66** gets into the eyes, immediately flush the eyes with large amounts of water for a minimum of 15 minutes, lifting the lower and upper lids occasionally. Get medical attention as soon as possible.

2. Skin exposure: If **SPECIALIST SUPERSEAL B66** contacts the skin, the contaminated skin should be washed with soap and water. If irritation persists, get medical attention.

3. Inhalation: If **SPECIALIST SUPERSEAL B66** vapors are inhaled, move the victim at once to fresh air and get medical care as soon as possible. If the victim is not breathing, perform cardiopulmonary resuscitation; if breathing is difficult, give oxygen. Keep the victim warm and quiet until medical help arrives.

4. Ingestion: If **SPECIALIST SUPERSEAL B66** is ingested, give the victim several glasses of water to drink and induce vomiting. Get medical help immediately. Keep the victim warm and quiet until medical help arrives.

Signs and symptoms or exposure

1. Acute exposure: The signs and symptoms of acute exposure to **SPECIALIST SUPERSEAL B66** include headache. fatigue. irritability, lassitude. nausea, anorexia, flatulence, irritation of the eyes, nose, and throat, and motor incoordination and impairment of equilibrium. Flushing, redness of the face. a sensation of increased body heat, increased salivation, tremors, dizziness, confusion, and cardiac irritability have also been reported.

2. Chronic exposure: The signs and symptoms of chronic exposure to **SPECIALIST SUPERSEAL B66** may include conjunctivitis, dryness of the nose, throat, and skin: dermatitis, and kidney and liver damage.

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5. FIRE FIGHTING MEASURES

Flammable limits in air (percent by volume): Lower, 1; upper. 7.
The National Fire Protection Association has assigned a flammability rating of 3 (severe fire hazard) to xylene in **SPECIALIST SUPERSEAL B66**.

Extinguishant: Use foam, dry chemical. or carbon dioxide to fight fires involving xylene. Water may be used to reduce the rate of burning or to cool fire-exposed containers.

Fires involving xylene should be fought upwind and from the maximum distance possible. Keep unnecessary people away; isolate hazard area and deny entry. Emergency personnel should stay out of low areas and ventilate closed spaces before entering. Vapor explosion and poison hazards may occur indoors. outdoors. or in sewers.

Vapors may travel to a source of ignition and flash back. Containers of xylene may explode in the heat of the fire and should be moved from the fire area if it is possible to do so safely. If this is not possible, cool containers from the sides with water until well after the fire is out.

6. ACCIDENTAL RELEASE MEASURES

In the event of a spill or leak involving **SPECIALIST SUPERSEAL B66** persons not wearing protective equipment and clothing should be restricted from contaminated areas until cleanup has been completed. The following steps should be undertaken following a spill or leak:

1. Do not touch the spilled material; stop the leak if it is possible to do so without risk.
2. Notify safety personnel.
3. Remove all sources of heat and ignition.
4. Ventilate potentially explosive atmospheres using maximally explosion-proof equipment.
5. Use non-sparking tools for cleanup.
6. Water spray may be used to reduce vapors, but the spray may not prevent ignition in closed spaces.
7. For small liquid spills, take up with sand or other noncombustible absorbent material and place into closed containers for later disposal.

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7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact.
A worker who handles **SPECIALIST SUPERSEAL B66** should thoroughly wash hands, forearms and face with soap and water before eating, using tobacco products, or using toilet facilities. Workers should not eat, drink. or use tobacco products in areas where **SPECIALIST SUPERSEAL B66** is handled, used, or stored.

Storage: Keep away from heat. Product and vapors are highly Flammable. Keep container in a cool. well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Store away from strong oxidizing substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The current OSHA PEL for xylene is 100 ppm (435 milligrams per cubic meter (mg/m (3)) of air) as an 8-hour time-weighted average (TWA) concentration.

Protective clothing should be worn to prevent skin contact with **SPECIALIST SUPERSEAL B66**. Impervious gloves. boots, aprons, and other protective clothing are recommended for use as necessary.

Safety glasses. goggles. or face shields should be worn during operations in which **SPECIALIST SUPERSEAL B66** might contact the eyes (e.g., through splashes of solution).

Methods that are effective in controlling worker exposures to **SPECIALIST SUPERSEAL B66** depending on the feasibility of implementation, are:

- Local exhaust ventilation,
- General dilution ventilation. and
- Personal protective equipment.
- Use only in well ventilated areas

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid.
Colour: Clear to pale yellow liquid.

1. Boiling point (760 torr): 135 to 145 degrees C (275 to 293 degrees F)
2. Specific gravity (water I): 0.86 at 20 degrees C (68 degrees F)
3. Vapor density (air - I at boiling point of xylene): 3.7
4. Melting point: -25 degrees C (-13 degrees F)
5. Vapor pressure at 20 degrees C (68 degrees F): 7 to 9 torr
6. Solubility: Insoluble in water; soluble in alcohol. ether, acetone, and benzene
7. Evaporation rate (butyl acetate I): 0.6

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10. STABILITY AND REACTIVITY

1. Avoid conditions contributing to instability: Heat, sparks, or open flame.

2. Incompatibilities: Contact of **SPECIALIST SUPERSEAL B66** with strong oxidizers may cause fires and explosions.

3. Hazardous decomposition products: Toxic gases (such as carbon monoxide) may be released in a fire involving **SPECIALIST SUPERSEAL B66** which contains xylene.

4. Special precautions: **SPECIALIST SUPERSEAL B66** attacks some coatings and some forms of plastic and rubber.

   SPECIALIST SUPERSEAL B66 can react with strong oxidizing substances.

   1. Flash point: 27 to 32 degrees C (81 to 90 degrees F).

   2. Autoignition temperature: 464 degrees C (867 degrees F)

   3. Flammable limits in air (percent by volume): Lower, 1: upper. 7.

11: TOXICOLOGICAL INFORMATION

Effects on Humans:
Xylene contained in **SPECIALIST SUPERSEAL B66** is an irritant of the eyes and mucous membranes at concentrations below 200 ppm, and it is narcotic at high concentrations.
The estimated oral LD (50) for humans is 50 mg/kg Ingestion of xylene causes gastrointestinal distress and may cause toxic hepatitis. Aspiration of xylene or acute exposure to high vapor concentrations of this substance may cause chemical pneumonitis, hemorrhage into the air spaces. and pulmonary edema.

A worker exposed to the vapors of a solvent containing 75 percent xylene (approximate airborne xylene concentration of 60 to 350 ppm) developed giddiness. anorexia, and vomiting. After inhalation of high concentrations of xylene, workers may become flushed, feel hot and experience confusion, dizziness, tremors, and other signs or symptoms of central nervous system toxicity.

Chronic exposure to xylene may cause central nervous system depression. anemia mucosa, hemorrhage. bone marrow hyperplasia, liver enlargement, liver necrosis, and nephrosis. Repeated contact of the skin with xylene causes drying and dermatitis.

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12. ECOLOGICAL INFORMATION

Organism Group	Average Acute Toxicity	Acute Toxicity Range
Amphibians	Slightly Toxic	Slight Toxicity
Crustaceans	Slightly Toxic	Slight Toxicity
Fish	Slightly Toxic	Slight Toxicity
Molluses	Not Acutely Toxic	Not Acutely Toxic
Zooplankton	Not Acutely Toxic	Not Acutely Toxic to Moderate Toxicity

13. DISPOSAL CONSIDERATIONS

Waste must be disposed of in accordance with local environmental control regulations.

14. TRANSPORT INFORMATION

DOT Classification:	CLASS 3: Flammable Liquid.
Identification:	Xylene UNNA: 1307 PG: 111
Special Provisions for Transport:	Not Available.

15. REGULATORY INFORMATION

Safety Phrases: A void contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

EC Directives: Dangerous Substances Directive, 67/548/EEC and adaptations. Dangerous Preparations Directive, 88/379/EEC.
Safety Data Sheets Directive, 91/155/EEC.

Statutory Instruments: Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092).
Control of Substances Hazardous to Health Regs. 1994 (SI 3246).
Health & Safety at Work, etc. Act 1974.

Codes of Practice: Waste Management. The Duty of Care.

The above publications are available from HMSO.

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16. OTHER INFORMATION

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet.

If this product has been purchased for supply to a third party for use at work. it is the purchaser's duty lo take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions. which should be taken.

This sheet does not constitute or substitute for the user's own assessment of workplace risk. as required by other health and safety legislation. Further copies or this Safety Data Sheet may be obtained from SCL (Trinidad) Limited.

SCL products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms & Conditions of Sale, copies of which may be obtained on request. Whilst SCL endeavors to ensure that any advice, recommendations, specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are used, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by SCL.

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