

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCTS / IDENTIFICATION OF SUBSTANCE

PRODUCT NAME: Chlorinated Rubber Based Coating
PRODUCT CODE: Sealbond CRB 178

2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS-NO	Classification
Xylene	1330-20-7	Xn
Barium Sulfate	7727-43-7	Xn
Crystalline Silica	14808-60-7	Xi
Ethylbenzene	100-41-4	Xn

3. HAZARDS IDENTIFICATION

The principal hazards of the product as supplied are:

Flammable.
Harmful by inhalation and in contact with skin.
Irritating to skin.

4. FIRST AID MEASURES

On contact with eyes : Flush with water
On skin contact : Wipe off and wash with soap and water. Obtain medical attention
If inhaled : Remove to fresh air
On ingestion : Do not induce vomiting. Obtain medical attention.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Carbon dioxide, foam, dry powder or fine water spray. Water can be used to cool fire exposed containers.

UNSUITABLE EXTINGUISHING MEDIA

Not known.

HAZARDS DURING FIRE FIGHTING

Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed.

SPECIAL PROTECTIVE EQUIPMENT/PROCEDURES

A self-contained respirator and protective clothing should be worn. Keep containers cool with water spray until well after the fire is out. Determine the need to evacuate or isolate the area according to your local emergency plan.

HAZARDOUS COMBUSTION PRODUCTS

Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear proper protective equipment.

PRECAUTIONS TO PROTECT THE ENVIRONMENT

Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.

METHODS FOR CLEANING UP

Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition. Very large spills should be contained by bunding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid. The spilled product produces an extremely slippery surface.

7. HANDLING AND STORAGE

ADVICE ON SAFE HANDLING

General ventilation is required. Local ventilation is required. Avoid skin and eye contact. Do not breathe vapour.

ADVICE ON STORAGE

Store in a flameproof, well ventilated area. Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Keep container tightly closed.

SPECIFIC USES

Refer to technical data sheet available on request.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Ventilation: Refer to Section 7

Exposure controls for hazardous components

Name	CAS-No.	Exposure Limits
Xylene	1330-20-7	100 ppm/ 435 mg/m ³ (TWA8, ACGIH)
Ethylbenzene	100-41-4	100 ppm/ 435 mg/m ³
Barium Sulfate	7727-43-7	5 mg/m ³ (resp) [TWA, OSHA permissible exposure limits (PELs)]

Personal protection equipment

Respiratory protection

Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEI may be approached or exceeded.

Hand protection

Chemical protective gloves should be worn.

Eye protection

Face shield or safety goggles.

Skin protection

Wear impervious overalls in circumstances where significant skin contact can occur.

Hygiene measures

Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. Remove contaminated clothing immediately.

Environmental exposure controls

Refer to section 6 and 12.

Additional Information

These precautions are for room temperature handling. Use at elevated temperature or aerosol/ spray applications may require added precautions. For further information regarding the use of silicones in consumer aerosol applications, please refer to the guidance document regarding the use of silicone-based materials in consumer aerosol applications that has been developed by the silicone industry or contact our customer service group.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form: Liquid

Colour: As per Customer Specs

Odor: Solvent Type

Other data

Boiling point/range	:	60 - 70°C
Evaporation Rate	:	0.76 (ASTM D3539)
Freezing Point	:	-98 .3 °C
Specific Density	:	1.12 – 1.28
Water Solubility	:	Insoluble

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal usage conditions.
Conditions to avoid	:	None established
Materials to avoid	:	Can react with strong oxidizing agents
Hazardous decomposition products	:	See Section 11.

11. TOXICOLOGICAL INFORMATIONS

On contact with eyes	:	Slightly irritating
On skin contact	:	Irritating. Harmful in contact with skin.
If inhaled	:	Harmful by inhalation of vapour. May cause dizziness, drowsiness, confusion, headaches, nausea, and at high concentrations, unconsciousness
On ingestion	:	Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.
Other Health Hazard Information	:	Product may emit formaldehyde vapours at temperature above 150°C in the presence of air. Formaldehyde vapour is harmful by inhalation and irritating to eyes and respiratory system at breathing concentration less than one part per million (1 ppm).

12. ECOLOGICAL INFORMATION

Environmental fate and distribution

Organic solvents may evaporate into the atmosphere, where they degrade. Siloxanes are removed from water by sedimentation or binding to sewage sludge. In soil, siloxanes are degraded.

Ecotoxicity effects

No adverse effects on aquatic organisms are predicted.

Bioaccumulation

Low potential to bioaccumulate

Fate and effects in waste water treatment plants

No adverse effects on bacteria are predicted. The siloxanes in this product do not contribute to the BOD.

13. DISPOSAL CONSIDERATIONS

Product disposal : Dispose of in accordance with local regulations
Packaging disposal : Dispose of in accordance with local regulations

14. TRANSPORT INFORMATION

DOT regulations: Not Regulated

- Hazard class: -
- Packing group: III
- Limited Quantity Exemption: No Limited Quantity exemption applies for this shipping class.

· Land transport ADR/RID (cross-border):

- ADR/RID class: -
- UN-Number:
- Packaging group: III
- Maritime transport IMDG:
- IMDG Class: 9
- UN Number: 3082
- Label 9
- Packaging group: III

· Marine pollutant: No

· Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

· Air transport ICAO-TI and IATA-DGR:

- ICAO/IATA Class: -
- Packaging group: III

15. REGULATIONS

Product related hazard information:

The product has been classified and marked in accordance with directives on hazardous materials.

Hazard symbols:

X_i Irritant

N Dangerous for the environment

Hazard-determining components of labelling:

Irritating to eyes and skin.

May cause sensitisation by skin contact.

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

Safety phrases:

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).

Do not empty into drains.

Wear suitable gloves and eye/face protection.

If swallowed, seek medical advice immediately and show this container or label.

If swallowed, rinse mouth with water (only if the person is conscious).

Special labeling of certain preparations:

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.