

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product Name S22B (catalyst)
 Product Code CS20B
 Chemical Name Not Applicable - Mixture
 CAS # Mixture

Supplier

Colt Atlantic Services, Inc.
 1845 S. Lee Court, Suite C
 Buford, GA 30518
 In Case of Emergency 1-800-255-3924 or +813-248-0585
 Uses Semi-hard cure leak sealant

Section 2. Composition and Information on Hazardous Ingredients

| Name | CAS # | % by Weight | OSHA PEL | ACGIH TLV |
|------------------------------------------------|-----------|------------------------------------|-------------------------------|---------------------------------|
| Lead dioxide (lead peroxide, lead (IV) oxide)* | 1309-60-0 | 50-70% (5-10% of cured product) | 50 µg/m ³ as lead† | 0.15 mg/m ³ as lead† |
| Lead monoxide* | 1317-36-8 | < 10% (< 1% of cured product) | 50 µg/m ³ as lead† | 0.15 mg/m ³ as lead† |
| Tetramethylthiuram disulfide* | 137-26-8 | 1-5% (< 1% of cured product) | 5 mg/m ³ † | 1 mg/m ³ † |

* Subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372.

† Note on inhalation hazards: this component is mixed into a paste, and it is very unlikely that it will become airborne under normal conditions of use.

SPECIAL NOTE: MSDS data pertains to the product as dispensed from the container. Adverse health effects would not be expected under normal conditions of use, so long as recommended safety precautions are practiced.

Section 3. Hazards Identification

Eye Contact May cause irritation, tearing, redness, and blurred vision.

Skin Contact May cause irritation.

Skin Absorption Not toxic by skin absorption. High pressure injection through the skin requires immediate medical attention.

Inhalation Not a significant route of entry.

Ingestion May cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Also weakness, headache, loss of coordination, convulsions.

Sensitization Not known to be a sensitizer under normal conditions of use.

Chronic Effects May cause kidney damage, fatigue, anemia, muscle and joint pain, neuromuscular dysfunction.

Carcinogenic Effects Lead monoxide is classified by IARC as possibly carcinogenic to humans. No ingredients are classified as carcinogens by NTP or OSHA.

Mutagenic Effects No data.

Teratogenic Effects/ Reproductive Effects Some lead compounds cross the placenta and cause embryo- and fetomortality.

Section 4. First Aid Measures

Flush eyes with clean water for at least 15 minutes. Call a physician.

Remove any contaminated clothing and wash skin with soap and water. If irritation occurs, call a physician.

Accidental high pressure injection through the skin requires immediate medical attention.

Not applicable.

Get medical attention at once. If victim is conscious, induce vomiting. Never give anything by mouth to an unconscious person.

Section 5. Fire and Explosion Hazards

Flash Point (method) > 390°F (200°C) (COC)

Auto-Ignition Temp. No data

Flammable Limits in Air lel: No data uel: No data

Combustion Products Carbon monoxide, sulfur oxides, hydrogen sulfide, hydrocarbons.

Explosion Hazards In the presence of mechanical impact or static discharge: no explosion risk.

Special Fire Fighting Measures Use foam, CO₂, dry chemical, water fog. Water can be used to keep containers cool and to flush spills away from fire exposure. Firefighters must wear self-contained breathing apparatus and protective clothing.

Section 6. Accidental Release Measures

Small Spill Remove sources of ignition and recover free product. Add sand, earth, or some other suitable adsorbent. Dispose of material in accordance with all state and local regulations.

Large Spill Take care to keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered sewers, watercourses, or extensive land areas.

Section 7. Handling and Storage

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|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------|
| <u>Storage</u> | Store in cool dry area away from sources of ignition in original or equivalent container in accordance with all applicable regulations. Do not expose to extreme heat or flame. Store below 90°F. | <u>Handling</u> | Wash thoroughly after handling. Do not get in eyes. Follow good hygiene and housekeeping practices. Use in ventilated areas. |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------------------------------------------|

Section 8. Exposure Controls and Personal Protection

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|-----------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------|
| <u>Engineering Controls</u> | Use with adequate ventilation or local exhaust. If ventilation is inadequate, use NIOSH-approved respirator. | <u>Personal Protection</u> | Splash proof eye protection, impervious (such as PVC) gloves. |
|-----------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------|

Section 9. Physical and Chemical Properties

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|--------------------------------------------|------------------------------|------------------------------|-----------------|
| <u>Appearance and Odor</u> | Brown-black paste, mild odor | <u>Vapor Pressure</u> | No data |
| <u>pH</u> | Not applicable | <u>Vapor Density (Air=1)</u> | > 1 |
| <u>Boiling Point</u> | No data | <u>Odor Threshold</u> | No data |
| <u>Melting Point</u> | No data | <u>Evaporation Rate</u> | < 1 (ether = 1) |
| <u>Specific Gravity (H₂O=1)</u> | 6.4 | <u>Solubility in Water</u> | Negligible |
| <u>Water/Oil Distribution Coefficient</u> | No data | | |

Section 10. Stability and Reactivity Data

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|---------------------------------|------------------------------------|-----------------------------------------|-----------------------------------------------------------------|
| <u>Stability</u> | Stable. | <u>Incompatibilities</u> | Oxidizing materials, reducing agents, acids, bases. |
| <u>Conditions to Avoid</u> | Extreme heat, sources of ignition. | <u>Hazardous Decomposition Products</u> | Carbon monoxide, sulfur oxides, hydrogen sulfide, hydrocarbons. |
| <u>Hazardous Polymerization</u> | Will not occur. | | |

Section 11. Toxicological Information

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|---------------------------|-----------------------|
| <u>Routes of Entry</u> | Eye, skin, ingestion. |
| <u>Toxicological Data</u> | No data |

Section 12. Ecological Information

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|---------------------------------------------|---------|
| <u>Eco toxicity</u> | No data |
| <u>BOD5 and COD</u> | No data |
| <u>Biodegradation Products and Toxicity</u> | No data |

Section 13. Disposal Considerations

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| <u>Waste Information</u> | Dispose of waste according to federal, state, and local regulations. |
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Section 14. Transport Information (1 fl. oz. or less)

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| <u>DOT</u> | Small quantity exception, 49CFR 173.4 |
| <u>IATA</u> | Dangerous Goods in Excepted Quantities (DGR 2.8), UN3139, 5.1 |

Section 15. Other Regulatory Information

Hazardous Material Information System (HMIS) (USA)

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|---------------------|----|
| Health | 2* |
| Fire | 1 |
| Reactivity | 1 |
| Personal Protection | C |

SARA Section 313: Ingredients subject to reporting requirements: Lead compounds; Tetramethylthiuram disulfide.

TSCA Inventory: All ingredients are listed or exempt.

California Prop. 65: Ingredients listed: Lead compounds (cancer).

Canada DSL: All ingredients listed.

WHMIS Classification: D2A, material causing other toxic effects.

WHMIS: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. (Canada)

Section 16. Other Information

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| <u>Date Revised</u> | 01/25/12 |
| <u>For More Information Call</u> | 800 229-2658 |

Important Notice Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of this product for particular uses are beyond our control. Users should make their own investigation to determine the suitability of the information or products for their respective purposes.