

Nox-Crete Silcoseal Select Bond Breaker

Safety Data Sheet

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), (AU) WHS Regulations

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Form Mixture
Trade Name Nox-Crete Silcoseal Select Bond Breaker
Product Code NOXSILCOSEL20, NOXSILCOSEL200

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Industrial. For professional use only.

1.2.2 Uses Advised Against

No additional information available

1.3 Details of the supplier of the safety data sheet

| Manufacturer | Supplier | |
|---|---|--|
| NOX-CRETE MANUFACTURING INC 1444 SOUTH 20 TH STREET OMAHA, NE 68108 Tel: 402-341-2080 Fax: 402-341-9752 E-Mail: corporate@nox-crete.com Web Site: www.nox-crete.com | REID CONSTRUCTION SYSTEMS (TRADING AS RAMSETREID) 1 RAMSET DRIVE CHIRNSIDE PARK, VIC AUSTRALIA. 3116 Tel: 1300 780 250 EMERGENCY Tel: 13 11 26 E-Mail: sales@reid.com.au Web Site: www.reid.com.au | 23-29 POLAND ROAD GLENFIELD, AUKLAND 0627, NEW ZEALAND Tel: 0800 88 22 12 EMERGENCY Tel: 0800 764 766 E-Mail: sales@ramsetreid.co.nz Web Site: www.reid.com.nz |

1.4 Emergency telephone number

Emergency Number Chemtrec (800) 424-9300
Chemtrec Outside of U.S. 703-527-3887

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulations 29CFR 1910.1200 , (EC) No. 1272/2008(CLP)(GHS)

| | |
|---------------------------|------|
| Flam. Liq. 3 | H226 |
| Acute Tox. 4 (oral) | H302 |
| Asp. Tox. 1 | H304 |
| Acute Tox. 4 (dermal) | H312 |
| Skin Irrit. 2 | H315 |
| Eye Dam. 1 | H318 |
| Acute Tox. 4 (inhalation) | H332 |
| STOT SE 3 | H335 |
| STOT SE 3 | H336 |
| Carc. 2 | H351 |
| STOT RE 2 | H373 |

Full text of H phrases see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

Hazard pictograms

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Signal word

Warning

Hazard statements

H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer (inhalation)
H373 - May cause damage to organs (CNS)

Precautionary statements

Prevention:

P201- Obtain special instructions before use
P202- Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat/sparks/open flames/hot surfaces-No smoking
P233- Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/light/.../equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash exposed area's thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response:

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 -IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P330 - Rinse mouth.
P331 - Do NOT induce vomiting
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse.
P337+P313 - If eye irritation persists: Get medical advice/attention
P403+P235 - Store in a well ventilated place. Keep cool.

Storage:

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Disposal: P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards None known

Full text of R, H and EUH phrases: see section 16

Section 3. Composition / information on ingredients

3.1 Substances

Not applicable

3.2 Mixture

| Name | Product identifier | % |
|----------------------|--------------------|-------|
| Xylene | 1330-20-7 | < 2.0 |
| Petroleum Distillate | Trade Secret | < 5 |
| Solvent Naphtha | Trade Secret | < 3 |
| Butanol | 71-36-3 | < 4.0 |
| Butene, homopolymer | Trade Secret | < 3.0 |
| Ethylbenzene | 100-41-4 | < 0.5 |

Pursuant to 29CFR 1910.1200(i) the specific chemical identity (and / or) concentration is being withheld as Trade Secret, while all health and safety properties and effects are included in the SDS.

Section 4. First aid measures

4.1 Description of first aid measures

First-aid measures general

Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation

If the individual experiences nausea, dizziness, has difficulty In breathing seek a healthcare professional immediately. In all cases of doubt, or when symptoms persist, seek medical advice. Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Center or doctor/physician.

First-aid measures after skin contact

If skin irritation persists, seek medical attention. Remove or take off immediately all contaminated clothing. Rinse skin with water or shower. Wash off immediately with soap and plenty of water.

First-aid measure after eye contact

When contact lenses are worn, remove if possible. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes while holding eyelids apart. Get medical attention immediately.

First-aid measures after ingestion

Rinse mouth. DO NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, acute and delayed

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| | |
|--------------------------------------|--|
| Symptoms/injuries after inhalation | May cause irritation to the respiratory tract. Overexposure to vapors may result in headache, nausea, drowsiness or dizziness. |
| Symptoms/injuries after skin contact | May cause skin irritation or burning sensation |
| Symptoms/injuries after eye contact | May cause eye irritation or injury |
| Symptoms/injuries after ingestion | May cause severe irritation or burns to the mucous membrane of the mouth, throat, esophagus and stomach. |

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

Section 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Dry chemical, foam, carbon dioxide

Unsuitable extinguishing media

Do not use heavy water stream

5.2 Special hazards arising from the substance or mixture

Reactivity

Thermal decomposition products may cause a health hazard.

5.3 Advice for firefighters

Firefighting instructions

This material releases vapors when heated above ambient temperatures. Vapors can cause a flash fire. Use water spray or fog to cool exposed containers.

Protective equipment for firefighters

Firefighters should always wear self-contained breathing apparatus (SCBA) and full protective gear when fighting any chemical fire.

Other information

On heating or burning harmful gasses/vapors may be released. This product may cause the floor to become slippery.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures

Eliminate any ignition sources. Dike or impound spilled material. Take proper precautions to ensure your own health and safety before attempting spill control or cleanup.

6.11 Protective Equipment

Equip cleanup crew with proper protective equipment.

6.2 Environmental precautions

Prevent entry to sewers and public waters.

Notify authorities if liquid enters sewers or public waters.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

Soak up spills with inert solids, such as clay or diatomaceous earth. Collect into vapor tight containers and dispose of properly.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures

Wash hands and other exposed areas with soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in work areas to prevent formation of vapor. When not in use keep containers tightly closed. Avoid breathing vapor or mist.

Hygiene measures

Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in accordance with local regulations. Store in original container in a cool well ventilated place away from heat, sparks and open flame.

Keep containers tightly closed until ready for use. **Keep from freezing.**

Incompatible materials

Strong oxidizing agents

Storage temperature

Store in a cool dry environment away from sources of ignition.

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Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

| Ingredient name | Occupational exposure limits ACGIH TLV (United States) |
|----------------------|---|
| Xylene | TWA: 100 ppm 8 hours |
| Petroleum Distillate | TWA: 100 ppm 8 hours |
| Solvent Naphtha | TWA: 100 ppm 8 hours |
| Butanol | TWA: 100 ppm 8 hours |
| Butene, homopolymer | Not Established |
| Ethylbenzene | TWA: 100 ppm 8 hours |

8.2 Exposure controls

Appropriate engineering controls

Use with adequate ventilation to keep product vapor concentrations below specified TLV

Eye and face protection

Chemical goggles and/or face shields are required to prevent potential eye contact, irritation or injury.

Skin protection

Wear chemical resistant gloves and appropriate protective clothing and boots as required to prevent skin contact. Wash exposed skin frequently with soap and water. Soiled clothing should be laundered before reuse.

Respiratory protection

General room ventilation is normally adequate. Avoid breathing the product mist or vapors. The use of an appropriate respirator is recommended whenever the airborne concentrations exceed the TLV.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Appearance | Milky liquid |
| Odor | Mild Odor |
| Odor Threshold | No data available |
| PH | No data available |
| Melting point | No data available |
| Freezing point | No data available |
| Boiling point | 94 C (200 F) |
| Flash point | 39 C 102 F PMCC ASTM D-93 71 C 160 F COC ASTM D-92 |
| Relative evaporation rate (butyl acetate=1) | No data available |
| Flammability (solid, gas) | 49 CFR Appendix H test confirms product is a non-sustained burning material. |
| Upper/lower explosive limits | No data available |
| Vapor pressure | No data available |
| Vapor density | No data available |
| Relative density (Specific gravity) | 0.97 Kg per Liter 8.1 Lbs per Gallon |
| Solubility | Water: Miscible |
| Partition coefficient n-octanol/water | No data available |
| Auto-ignition temperature | Not applicable |

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Viscosity No data available
VOC content Regulatory VOC : Less than 700 g/l
Actual VOC : Less than 120 g/l

Section 10. Stability and reactivity

10.1 Reactivity No additional information available
10.2 Chemical stability Stable under normal conditions
10.3 Possibility of hazardous reactions Hazardous polymerization will not occur.
10.4 Conditions to avoid Extreme high or low temperatures. **Avoid freezing.**
10.5 Incompatible materials Strong acids and oxidizers
10.6 Hazardous decomposition products carbon monoxide, carbon dioxide, various hydrocarbon derivatives

Section 11. Toxicology information

11.1 Information on toxicological effects

Acute toxicity No adverse effects expected under intended use.
Irritation/Corrosion **Skin** May cause skin irritation
Eyes May causes serious eye irritation and damage.
Respiration or skin sensitization May cause respiratory irritation
Germ cell mutagenicity No data available
Carcinogenicity **IARC** **NTP**

| | | |
|--------------|----|--|
| Xylene | 3 | |
| Ethylbenzene | 2B | |

2B - Limited evidence in humans and less than sufficient evidence in animals.

3 - Inadequate in humans and inadequate or limited in animals.

Reproductive toxicity No data available
Specific target organ toxicity
Single exposure No data available
Repeated exposure No data available
Aspiration hazard No data available

Section 12. Ecological information

12.1 Ecotoxicity No data available
12.2 Persistence and degradability No data available
12.3 Bioaccumulative potential No data available
12.4 Mobility in soil No data available
12.5 Other adverse effects Avoid release to the environment

SECTION 13. Disposal Considerations

13.1 Waste treatment methods The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all applicable local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

SECTION 14. Transport information

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In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

49 CFR Appendix H test confirms product is a non-sustained burning material.

| | |
|--|-------------------------------------|
| 14.1 UN number | Not applicable |
| 14.2 UN proper shipping name | Not applicable |
| 14.3 Transport hazard class(es) | Not applicable |
| 14.4 Packing group | Not applicable |
| 14.5 Environmental hazards | No additional information available |
| 14.6 Special precautions for user | No additional information available |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | No additional information available |
| 14.8 Transport in bulk according to CFR 49 173.15 | Not applicable |

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.2 USA Regulations Section 313

Contains the following ingredients at or above the reporting level requirements of Section 313. This information must be included in all SDS's copied or distributed for this material.

| CHEMICAL | CAS # | MAX WEIGHT % |
|--------------|-----------|--------------|
| Xylene | 1330-20-7 | 2.0 |
| Ethylbenzene | 100-41-4 | 0.5 |
| Butanol | 71-36-3 | 4.0 |

TSCA

15.2 Chemical safety assessment

All ingredients are listed or exempted
A Chemical Safety Assessment has not been carried out.

Section 16. Other information

| | |
|------------------------|------------------------------|
| Date of issue | 12-8-2016 |
| Version | 2.4 |
| Number | 490-R |
| Date of previous issue | 5-14-2015 |
| Preparer | Nox-Crete Manufacturing Inc. |

Reference Documentation

The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under our direct supervision, no representation is made that the information is accurate, reliable, complete or representative and Buyer may rely thereon only at Buyers risk. We have made no effort to censor or to conceal deleterious aspects of this product. Further since we cannot anticipate or control the many different conditions under which this information or our products may be used, we make no guarantee that the health and/or safety precautions we have suggested will be adequate for all individuals and/or situations involving its handling or use. Likewise, we make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

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Full text of R, H and EUH phrases

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|---------------------------|------|
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| STOT SE 3 | H336 |
| Carc. 2 | H351 |
| STOT RE 2 | H373 |

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H351 - Suspected of causing cancer (inhalation)
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P264 - Wash exposed area's thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product
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P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P330 - Rinse mouth.

P331 - Do NOT induce vomiting

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse.

P337+P313 - If eye irritation persists: Get medical advice/attention

P403+P235 - Store in a well ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.