

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)**Section 1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Product Form	Mixture
Trade Name	SILCOSEAL 77
Product Code	SS

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

Use	Industrial. For professional use only.
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**1.2.2 Uses Advised Against**

No additional information available

**1.3 Details of the supplier of the safety data sheet****Manufacturer**

NOX-CRETE MANUFACTURING INC  
1444 SOUTH 20<sup>TH</sup> STREET  
OMAHA, NE 68108  
Tel: 402-341-2080  
Fax: 402-341-9752  
E-Mail: [corporate@nox-crete.com](mailto:corporate@nox-crete.com)  
Web Site: [www.nox-crete.com](http://www.nox-crete.com)

**1.4 Emergency telephone number**

Emergency Number	Chemtrec (800) 424-9300 Chemtrec Outside of U.S. 703-527-3887
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**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
Skin Irrit. 2	H315
Eye Dam. 1	H318
Acute Tox. 4 (inhalation)	H332
STOT SE 3 (Resp. Irrit.)	H335
STOT SE 3(narcotic effects)	H336
Carc. 2	H351
STOT RE 2 (CNS)(ears)	H373

Full text of H and R phrases see section 16

Adverse physiochemical, human health and environmental effects

No additional information available

**2.2 Label elements**

Hazard pictograms



According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)

**Signal word**

Danger

**Hazard statements**

H226: Flammable liquid and vapor  
H302: Harmful if swallowed  
H304: May be fatal if swallowed and enters airways  
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  
H373: May cause damage to organs

**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.  
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+P330: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.  
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower  
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+P310: IF IN EYES: Immediately call a POISON CENTER or doctor/physician.  
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.  
P331: Do NOT induce vomiting.  
P370+P378: In case of fire: Use Dry chemical, foam, carbon dioxide for extinction.

**Storage:**

P403+P235+P233: Store in a cool well ventilated place. Keep container tightly closed.  
P405: Store locked up.

**Disposal:**

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

**2.3 Other hazards**

None known

Full text of H and EUH phrases: see section 16

**Section 3. Composition / information on ingredients**

**3.1 Substances**

Not applicable

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

Name	Product identifier	%
Butanol	71-36-3	<7.0
Petroleum Distillate	Trade Secret	Trade Secret
Solvent Naphtha	Trade Secret	Trade Secret
1,2,4-Trimethylbenzene	95-63-6	<5.0
Ethylbenzene	100-41-4	<5.0
Xylene	1330-20-7	<14.0

Pursuant to 29CFR 1910.1200(i) the specific chemical identity 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****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**

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)

**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**

Flammable Liquid. 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.

**Incompatible materials**

Strong oxidizing agents. Strong acids or bases and select amines.

**Storage temperature**

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

## Section 8. Exposure controls/personal protection

**8.1 Control parameters**

**Occupational exposure limits**

Ingredient name	Occupational exposure limits ACGIH TLV (United States)
Butanol	TWA: 20 ppm 8 hours
Petroleum Distillate	TWA: 400 ppm 8 hours
Solvent Naphtha	TWA: 19 ppm 8 hours

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)

1,2,4-Trimethylbenzene	TWA: 25 ppm 8 hours
Ethylbenzene	TWA: 20 ppm 8 hours
Xylene	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	Red liquid
Odor	Mild Solvent 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	27 C 80 F PMCC
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	Flammable liquid and vapor
Upper/lower explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density (Specific gravity)	0.82 Kg per Liter 6.8 Lbs per Gallon
Solubility	Water: Insoluble
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Viscosity	No data available
VOC content	711 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.

**10.5 Incompatible materials**

Strong acids, bases, oxidizers and select amines.

**10.6 Hazardous decomposition products**

carbon monoxide, carbon dioxide, various hydrocarbon derivatives

**Section 11. Toxicology information**

**11.1 Information on toxicological effects**

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

**Carcinogenicity IARC**

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.

<b>Reproductive toxicity</b>	No data available
<b>Specific target organ toxicity</b>	
<b>Single exposure</b>	No data available
<b>Repeated exposure</b>	No data available
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways

**Section 12. Ecological information**

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

**SECTION 13. Disposal Considerations**

<b>13.1 Waste treatment methods</b>	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.
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**SECTION 14. Transport information****In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA**

<b>14.1 UN number</b>	UN1263
<b>14.2 UN proper shipping name</b>	Paint Related Material
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing group</b>	PGIII
<b>14.5 Environmental hazards</b>	No additional information available
<b>14.6 Special precautions for user</b>	No additional information available
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No additional information available



chemical solutions  
to concrete problems

# SILCOSEAL 77

# Safety Data Sheet

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), *Hazardous Products Regulation* (HPR) (WHMIS 2015)

**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	< 14.0
1,2,4-Trimethylbenzene	95-63-6	< 5.0
Ethylbenzene	100-41-4	< 5.0
Butanol	71-36-3	< 7.0

**TSCA**

**Proposition 65**

All ingredients are listed or exempted  
This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive toxicity.

**15.1.3 Canada Regulations**

This SDS has been prepared according to the hazard criteria of the *Hazardous Products Regulation* (HPR) (WHMIS 2015) and the SDS contains all of the information required by the HPR.

**DSL**

**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	10-23-15
Version	2.0
Number	55
Date of previous issue	5-28-10
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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that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assumes the risk of this use thereof. (NOX-CRETE MANUFACTURING INC)

**Full text of R, H and EUH phrases**

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Asp. Tox. 1	H304: May be fatal if swallowed and enters airways
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Eye Dam. 1	H318: Causes serious eye damage
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STOT SE 3	H335: May cause respiratory irritation
STOT SE 3	H336: May cause drowsiness or dizziness
Carc. 2	H351: Suspected of causing cancer
STOT RE 2 (CNS)(ears)	H373: May cause damage to organs

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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.

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.

P301+P310+P330: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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