



chemical solutions to concrete problems

STIFEL 40-600

Safety Data Sheet

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	STIFEL 40-600
Product Code	ST40-600

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, INC.
1444 SOUTH 20TH STREET
OMAHA, NE 68108
Tel: 402-341-2080
Fax: 402-341-9752
E-Mail: corporate@nox-crete.com
Web Site: 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. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE. 3	H336
Carc. 2	H351
STOT SE1	H370

Full text of H phrases see section 16

Adverse physiochemical, human health and environmental effects

No additional information available

2.2 Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H225 - Highly flammable liquid and vapor

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H370 - Causes damage to organs

Precautionary statements**Prevention**

P203 - Obtain, read and follow all safety instructions before use.
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+P265 - Wash hands thoroughly after handling. Do not touch eyes.
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

P302+P352 - IF ON SKIN: wash with plenty of water
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 person to fresh air and keep 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.
P308+P316 - IF exposed or concerned: Get emergency medical help immediately.
P318 - IF exposed or concerned: Get medical advice/attention
P319 - Get medical help if you feel unwell.
P332+P317 - If skin irritation occurs: Get medical advice/attention
P337+P317 - If eye irritation persists: Get medical advice/attention
P370+P378 - In case of fire: Use Dry chemical, foam, carbon dioxide for extinction

Storage

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

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 P phrases: see section 16

Section 3. Composition / information on ingredients**3.1 Substances**

Not applicable

3.2 Mixture

Name	Product identifier	%
Ethanol	64-17-5	Trade Secret
Methanol	67-56-1	< 5.0
Silane	Trade Secret	Trade Secret
Petroleum derivative	Trade Secret	Trade Secret
Methyl isobutyl ketone	108-10-1	< 3.0
Heptane	142-82-5	< 2.0
Toluene	108-88-3	< 3.0
Ethyl Acetate	141-78-6	< 3.0
Ethylbenzene	100-41-4	< 0.2
Benzene	71-43-2	< 0.2
Xylene	1330-20-7	< 0.2

Pursuant to 29CFR 1910.1200(i) the specific chemical identity (and / or) concentration may be withheld as Trade Secret, while all health and safety properties and effects are included in the SDS. Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

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**

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

Highly Flammable Liquid! 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

Extremely Flammable. Eliminate any ignition sources. Dike or impound spilled material. Use Non-sparking tools. All equipment must be grounded. 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

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



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

Ingredient name	Occupational exposure limits ACGIH TLV (United States)
Ethanol	TWA: 1000 ppm 8 hours
Methanol	TWA: 200ppm 8 hours
Ethyl Acetate	TWA: 400ppm 8 hours
MIBK	TWA: 100ppm 8 hours
Heptane	TWA: 500ppm 8 hours
Toluene	TWA: 200ppm 8 hours
Xylene	TWA: 100ppm 8 hours
Ethylbenzene	TWA: 100ppm 8 hours
Benzene	TWA: 1ppm 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 recommended 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	Clear liquid
Odor	Alcohol
Odor Threshold	No data available
PH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	23.89 C 75 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)	0.834 Kg per Liter 6.96 Lbs per Gallon
Solubility	Water: Insoluble
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	Not applicable
Viscosity	28.6 Zahn @ 70F
VOC content	Less than 600 g/l

Section 10. Stability and reactivity**10.1 Reactivity**

No additional information available



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

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. All sources of ignition.

10.5 Incompatible materials

Strong 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
 Eyes**

May cause skin irritation

May cause serious eye irritation and damage.

Respiration or skin sensitization

May cause respiratory irritation

Germ cell mutagenicity

No data available

Carcinogenicity

No component of this product present at levels greater than 0.1 % is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC)

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**

Not established

12.2 Persistence and degradability

Not established

12.3 Bioaccumulative potential

Not established

12.4 Mobility in soil

No additional information 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

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

14.1 UN number

UN1263

14.2 UN proper shipping name

Paint or Paint related material

14.3 Transport hazard class(es)

3

14.4 Packing group

II

14.5 Environmental hazards

No additional information available

14.6 Special precautions for user**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 %
Methanol	67-56-1	< 5.0
Methyl Isobutyl Ketone	108-10-1	< 3.0
Heptane	142-82-5	< 2.0
Toluene	108-88-3	< 3.0
Ethyl Acetate	141-78-6	< 3.0
Ethylbenzene	100-41-4	< 0.2
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Xylene	1330-20-7	< 0.2

TSCA

All ingredients are listed or exempted

PROPOSITION 65

WARNING: This product can expose you to chemicals including 4-Methyl-2-pentanone, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.



WARNING: This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

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 exempt.
A Chemical Safety Assessment has not been carried out.

Section 16. Other information

Date of issue/revision	4-11-2025
Version	4.0
Number	867
Date of previous issue/revision	2-2-2024
Preparer	Nox-Crete, Inc.

Reference Documentation

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Full text of H and P phrases

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