

**Section 1. Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**

Product Form	Mixture
Trade Name	EDGE-FLEX 645
Product Code	EF645

**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
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NOX-CRETE, 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**

Eye Irrit. 2	H319
Repr. Tox.2	H361
Skin Sens. 1	H371

**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

**Warning**

Hazard statements

H319 - Causes serious eye irritation  
H361 – Suspected of damaging fertility or the unborn child.  
H371 – May cause an allergic skin reaction.

Precautionary statements

Prevention:

P201 – Obtain special instructions before use.



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

Response: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P264 - Wash exposed skin thoroughly after handling  
 P280 – Wear protective gloves, protective clothing, eye protection and face protection.  
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
 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+P313 – If exposed or concerned: Get medical advice/attention.  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention  
 P337+P313 - If eye irritation persists: Get medical advice/attention  
 P363 - Wash contaminated clothing before reuse.  
 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**

Edge Flex 645 Color	Ingredient	Product identifier	%
Blue 1, Gray 1, Gray 2, Gray 3, Gray 4, Goldenrod 1	Titanium dioxide	13463-67-7	1-3
Black 1, Blue 4	Carbon Black	1333-86-4	.2-1
Red 1, Red 3, Maroon 1	Iron Oxide	1309-37-1	1-2
Burnt Sienna, Green 2, Green 4, Green 5, Orange 1	Iron Oxide	51274-00-1	1-2
Red 2	Pigment Red 2	6041-94-7	1-2

All above ingredients are bound in the product matrix and not expected to be available as respirable dust. 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.



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

<b>First-aid measure after eye contact</b>	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.
<b>First-aid measures after ingestion</b>	Rinse mouth. DO NOT induce vomiting. Get medical attention if symptoms occur.
<b>4.2 Most important symptoms and effects, acute and delayed</b>	
<b>Symptoms/injuries after inhalation</b>	May cause irritation to the respiratory tract. Overexposure to vapors may result in headache, nausea, drowsiness or dizziness.
<b>Symptoms/injuries after skin contact</b>	May cause skin irritation or burning sensation
<b>Symptoms/injuries after eye contact</b>	May cause eye irritation or injury
<b>Symptoms/injuries after ingestion</b>	May cause irritation to the mucous membrane of the mouth, throat, esophagus and stomach
<b>4.3 Indication of any immediate medical attention and special treatment needed</b>	
No additional information available	

## Section 5. Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Use fire-extinguishing media appropriate for surrounding materials. Dry chemical, foam carbon dioxide
<b>Unsuitable extinguishing media</b>	Do not use heavy water stream

### 5.2 Special hazards arising from the substance or mixture

<b>Reactivity</b>	Thermal decomposition products may cause a health hazard.
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### 5.3 Advice for firefighters

<b>Firefighting instructions</b>	Use water spray or fog to cool exposed containers.
<b>Protective equipment for firefighters</b>	Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear when fighting any chemical fire.
<b>Other information</b>	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

<b>General measures</b>	Dike or impound spilled material. Take proper precautions to ensure your own health and safety before attempting spill control or cleanup
<b>6.11 Protective Equipment</b>	Equip cleanup crew with proper protective equipment.
<b>6.2 Environmental precautions</b>	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

<b>Methods for cleaning up</b>	Soak up spills with inert solids, such as clay or diatomaceous earth. Collect into vapor tight containers and dispose of properly.
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## Section 7. Handling and storage

### 7.1 Precautions for safe handling

<b>Protective measures</b>	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.
<b>Hygiene measures</b>	Wash contaminated clothing before reuse.

### 7.2 Conditions for safe storage, including any incompatibilities

<b>Storage conditions</b>	Store in accordance with local regulations. Store in original container in a cool well-ventilated place. Keep containers tightly closed until ready for use. <b>Keep from freezing.</b>
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According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), Hazardous Products Regulation (HPR) (WHMIS 2015)

Incompatible materials None known  
 Storage temperature Prevent exposure to freezing temperatures.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Product identifier	Occupational exposure limits ACGIH TLV (United States, 2/2010)
Titanium dioxide	13463-67-7	TWA 10 mg/m <sup>3</sup> respirable fraction
Carbon Black	1333-86-4	TWA 3.5 mg/m <sup>3</sup> respirable fraction
Iron Oxide	1309-37-1	TWA 10 mg/m <sup>3</sup> respirable fraction
Iron Oxide	51274-00-1	Not Established
Pigment Red 2	6041-94-7	Not Established

### 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	Emulsion in various Colors
Odor	Mild
Odor Threshold	No data available
PH	No data available
Melting point	No data available
Freezing point	0 C (32 F)
Boiling point	100 C (212 F)
Flash point	Not applicable
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Upper/lower explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density (Specific gravity)	1.02 Kg per Liter 8.5 Lbs per Gallon
Solubility	Water: Complete
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	Not applicable
Viscosity	No data available
VOC content	No data available

## Section 10. Stability and reactivity



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

<b>10.1 Reactivity</b>	No additional information available
<b>10.2 Chemical stability</b>	Stable under normal conditions
<b>10.3 Possibility of hazardous reactions</b>	Hazardous polymerization will not occur.
<b>10.4 Conditions to avoid</b>	Avoid freezing
<b>10.5 Incompatible materials</b>	None known
<b>10.6 Hazardous decomposition products</b>	Carbon Monoxide, Carbon Dioxide and 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>	May causes eye irritation and damage.
<b>Eyes</b>	May cause respiratory irritation
<b>Respiration or skin sensitization</b>	Not classified
<b>Germ cell mutagenicity</b>	Inhalation of carbon black dust may cause cancer (IARC 2B), however due to the physical form of the product, inhalation of dust is not likely.
<b>Carcinogenicity</b>	Suspected of damaging fertility or the unborn child.
<b>Reproductive toxicity</b>	
<b>Specific target organ toxicity</b>	
<b>Single exposure</b>	Not classified
<b>Repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified

**Section 12. Ecological information**

<b>12.1 Ecotoxicity</b>	Not established
<b>12.2 Persistence and degradability</b>	Not established
<b>12.3 Bioaccumulative potential</b>	Not established
<b>12.4 Mobility in soil</b>	No additional information 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>	Not dangerous goods in sense of transport regulations.
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packing group</b>	Not applicable
<b>14.5 Environmental hazards</b>	No additional information available
<b>14.6 Special precautions for user</b>	
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No additional information available
<b>14.8 Transport in bulk according to CFR 49 173.15</b>	Not applicable

**SECTION 15. Regulatory information**

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

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

### 15.1.2 USA Regulations

#### Section 313

#### TSCA

Contains no ingredients at or above the De Minimus reporting level  
All ingredients are listed or exempted

#### PROPOSITION 65



WARNING: This product can expose you to chemicals including Ethylene Oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://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 exempted  
A Chemical Safety Assessment has not been carried out.

## Section 16. Other information

Date of issue/revision	4-29-2024
Version	4.0
Number	229
Date of previous issue/revision	7-10-2023
Preparer	Nox-Crete, Inc.

### Reference Documentation

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### Full text of H and P phrases

H319 - Causes serious eye irritation



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

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

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