

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

Product Form	Mixture
Trade Name	BIO-CLEAN READY
Product Code	BOCR6

**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**

Flam Liq. 4	H227	(>140 F <199 F)
Skin Sens. 1	H317	

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

H227 - Combustible liquid  
H317 - May cause an allergic skin reaction

Precautionary statements

Prevention:

P210 - Keep away from heat/sparks/open flames/hot surfaces-No smoking  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

	P280 - Wear protective gloves/protective clothing/eye protection/face protection
Response:	P302+P352 - IF ON SKIN - Wash with plenty of soap and water P333+P313 - If skin irritation or rash occurs - Get medical advice/attention. P362 - Take off contaminated clothing and wash before reuse. P370+P378 - In case of fire - Use Dry chemical, foam, carbon dioxide for extinction.
Storage:	P403+P235 - Store in a well-ventilated place. Keep cool.
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****Classification according to Regulations 29CFR 1910.1200 , (EC) No. 1272/2008(CLP)(GHS)**

Name	Product identifier	%
2-Butoxy ethanol	111-76-2	< 2.0
Terpene Hydrocarbons	Trade Secret	Trade Secret
Methyl Esters	Trade Secret	Trade Secret
Surfactants	Trade Secret	Trade Secret

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

<b>First-aid measure after eye contact</b>	immediately all contaminated clothing. Rinse skin with water or shower. Wash off immediately with soap and plenty of water.
<b>First-aid measures after ingestion</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. Rinse mouth. DO NOT induce vomiting. Get medical attention immediately.
<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 severe irritation or burns 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

**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**

Use water spray or fog to cool exposed containers. Do not allow run-off from firefighting to enter drains or water courses.

**Protective equipment for firefighters**

Firefighters should 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**

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

**Incompatible materials**

Strong acids, bases and oxidizing agents

**Storage temperature**

Prevent exposure to freezing temperatures.

**Section 8. Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

Ingredient name	Occupational exposure limits ACGIH TLV (United States, 2/2010)
2-Butoxy ethanol	TWA 20 ppm
Terpene Hydrocarbons	TWA 30 ppm

**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	Orange liquid
Odor	Orange
Odor Threshold	No data available
PH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	100 C (212 F)
Flash point	> 60 C > 140 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)	0.99 Kg per Liter 8.26 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	< 4% by weight

**Section 10. Stability and reactivity**

**10.1 Reactivity****10.2 Chemical stability****10.3 Possibility of hazardous reactions****10.4 Conditions to avoid****10.5 Incompatible materials****10.6 Hazardous decomposition products**

No additional information available

Stable under normal conditions

Hazardous polymerization will not occur.

Extreme high or low temperatures. Avoid freezing

Strong acids, alkalies and oxidizing agents

Carbon Monoxide, Carbon Dioxide and various hydrocarbon derivatives.

**Section 11. Toxicology information****11.1 Information on toxicological effects****Acute toxicity****Irritation/Corrosion** Skin

Eyes

**Respiration or skin sensitization****Germ cell mutagenicity****Carcinogenicity**

No adverse effects expected under intended use.

May cause skin irritation

May cause serious eye irritation and damage.

May cause respiratory irritation

No data available

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)

No data available

**Reproductive toxicity****Specific target organ toxicity**

Single exposure

Repeated exposure

**Aspiration hazard**

No data available

No data available

No data available

**Section 12. Ecological information****12.1 Ecotoxicity**

Due to the physical properties of the product (density and volatility) it will not remain in the environment for an extended period of time.

Name	Product identifier	Fish
2-Butoxy ethanol	111-76-2	LC50 96 hr Oncorhynchus mykiss 1474 mg/L
Terpene Hydrocarbons	Trade Secret	LC50 96 hr Oncorhynchus mykiss 0.72 mg/L
Surfactants	Trade Secret	LC50 96 hr (Pimephales promelas (fathead minnow)): 3.6 mg/l

**12.2 Persistence and degradability**

Readily biodegradable when tested in accordance with the OECD 301 /EPA OPPTS 835.3110 test protocols.

**12.3 Bioaccumulative potential**

The metabolism of citrus extractives into non-accumulating metabolites greatly reduces the risk of bioaccumulation.

**12.4 Mobility in soil**

Citrus extractives volatilize rapidly. Citrus extractives are expected to volatilize from soil or water to the air and oxidize to carbon dioxide in the presence of sunlight.

**12.5 Other adverse effects**

No data available

**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 US DOT**

Not dangerous goods in sense of transport regulations.

**In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA****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****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  
2-Butoxy ethanolCAS #  
111-76-2MAX WEIGHT %  
<2.0**TSCA**

All ingredients are listed or exempted

**PROPOSITION 65****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](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**

All ingredients are listed or exempted

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

**Section 16. Other information**

Date of issue	3-4-2021
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Preparer	Nox-Crete, Inc.

**Reference Documentation**

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**Full text of H and P phrases**

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Skin Sens. 1	H317

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