

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

Product Form	Mixture
Trade Name	ALUMINOX R 450
Product Code	ALR450

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**

NOX-CRETE MANUFACTURING 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

Section 2. Hazards identification**2.1 Classification of the substance or mixture**

H227 - Combustible liquid	Flam Liq. 4
H304- May be fatal if swallowed and enters airways	Asp. Tox. 1
H315 - Causes skin irritation	Skin Irrit. 2
H320 - Causes eye irritation	Eye Irrit. 2B
H332 - Harmful if inhaled	Acute Tox. 4 (inhalation)
H336 - May cause drowsiness or dizziness	STOT SE 3 drowsiness

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



Signal word

Danger

Hazard statements

H227 - Combustible liquid
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Precautionary statements**Prevention:**

P210- Keep away from heat/sparks/open flames/hot surfaces-No smoking

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P264 - Wash exposed skin thoroughly after handling

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.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water

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.

P331 - Do NOT induce vomiting

P332+P313 - If skin irritation occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse.

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

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:

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 H and P phrases: see section 16

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

Not applicable

3.2 Mixture

Name	Product identifier	%
Petroleum Distillates, Hydrotreated	Trade Secret	Trade Secret
Highly refined base oil	Trade Secret	Trade Secret

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

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	Use fire-extinguishing media appropriate for surrounding materials. 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.
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5.3 Advice for firefighters

Firefighting instructions	Combustible 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 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.
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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.
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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.

Incompatible materials

Acids, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

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)
Petroleum Distillates, Hydrotreated	TWA: 5 mg/m ³ 8 hours as mist
Highly Refined Base Oil	TWA: 5 mg/m ³ 8 hours as mist

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	Clear to pale straw liquid
Odor	Mild
Odor Threshold	No data available
PH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	150 C (300 F)
Flash point	> 60 C (140 F) <93 C (200 F)
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)	0.87 Kg per Liter 7.3 Lbs per Gallon

Solubility	Water: Negligible
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	Not applicable
Viscosity	No data available
VOC content	Less than 450 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, alkalis and oxidizers
10.6 Hazardous decomposition products	Carbon Monoxide, Carbon Dioxide

Section 11. Toxicology information**11.1 Information on toxicological effects**

Acute toxicity	No adverse effects expected under intended use.
Irritation/Corrosion	May cause skin irritation
Skin	
Eyes	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)
Reproductive toxicity	No data available
Specific target organ toxicity	
Single exposure	No data available
Repeated exposure	No data available
Aspiration hazard	May be fatal if swallowed and enters airways

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.
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SECTION 14. Transport information**In accordance with DOT**

14.1 UN number	
Under 119 US gallons, single container	Not dangerous goods in sense of transport regulations.
Over 119 US gallons, single container	UN1268

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

14.2 UN proper shipping name	Petroleum Distillates, N.O.S.
14.3 Transport hazard class(es)	
Under 119 US gallons, single container	Not applicable
Over 119 US gallons, single container	3
14.4 Packing group	
Under 119 US gallons, single container	Not applicable
Over 119 US gallons, single container	PG III
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

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 no ingredients at or above the De Minimus reporting level

TSCA

All ingredients are listed or exempted

PROPOSITION 65

WARNING: This product can expose you to chemicals including Benzene, 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.

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	2-27-2019
Version	2.4
Number	613
Date of previous issue	1-2-2017
Preparer	Nox-Crete Manufacturing Inc.
<u>Reference Documentation</u>	

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Full text of R, H and EUH phrases

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