



chemical solutions  
to concrete problems



# Nox-Crete Formgard TJ Rust Prevention

## Safety Data Sheet

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS), (AU) WHS Regulations

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product Form	Mixture
Trade Name	<b>Nox-Crete Formgard TJ Rust Prevention</b>
Product Code	NOXFRMGRD20

#### 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 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)

##### Supplier

REID CONSTRUCTION SYSTEMS (TRADING AS RAMSETREID)

1 RAMSET DRIVE  
CHIRNSIDE PARK, VIC AUSTRALIA. 3116  
Tel: 1300 780 250  
EMERGENCY Tel: 13 11 26  
E-Mail: [sales@reid.com.au](mailto:sales@reid.com.au)  
Web Site: [www.reid.com.au](http://www.reid.com.au)

23-29 POLAND ROAD  
GLENFIELD, AUKLAND 0627, NEW ZEALAND  
Tel: 0800 88 22 12  
EMERGENCY Tel: 0800 764 766  
E-Mail: [sales@ramsetreid.co.nz](mailto:sales@ramsetreid.co.nz)  
Web Site: [www.reid.com.nz](http://www.reid.com.nz)

#### 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

Flam Liq. 3	H226
Asp. Tox. 1	H304
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Acute Tox. 4 (inhalation)	H332
STOT SE 3 Resp Irrit.	H335
STOT SE 3 drowsiness	H336
Carc. 2	H351
Repr. 1B	H360

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

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**Signal word**

**Hazard statements**

Danger

H226 - Flammable liquid and vapor

Flam Liq. 3

H304 - May be fatal if swallowed and enters airways

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H351 - Suspected of causing cancer

H360 - May damage fertility or the unborn child

**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

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 - Wash exposed area's thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves/protective clothing/eye protection/face protection

**Response:**

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+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.

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

P337+P313 - If eye irritation persists: 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+P405+P235+P233 - Store locked up in a cool well ventilated place. Keep container tightly closed.

**Disposal:**

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

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### 2.3 Other hazards

None known

Full text of R, H and EUH phrases: see section 16

## Section 3. Composition / information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixture

Name	Product identifier	%
Petroleum Distillate	Trade Secret	30--60
Hydrotreated Petroleum Distillates	Trade Secret	10--30
Sodium Salts	Trade Secret	10--30
N-Methylpyrrolidone	872-50-4	< 2.2
Xylene	1330-20-7	< 0.8
Cumene	98-82-8	< 0.6
Ethylbenzene	100-41-1	< 0.6
1,2,4- Trimethylbenzene	95-63-6	< 3.3

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.

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### 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	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 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.
<u>6.11 Protective Equipment</u>	Equip cleanup crew with proper protective equipment.
<u>6.2 Environmental precautions</u>	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
<u>6.3 Methods and materials for containment and cleaning up</u>	
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.
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**Incompatible materials**  
**Storage temperature**

Strong acids, bases, amines and strong oxidizing agents  
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 Distillate	TWA: 400 ppm 8 hours
Hydrotreated Petroleum Distillates	TWA: 5 mg/m <sup>3</sup> 8 hours as mist
N-Methylpyrrolidone	Not Established
Xylene	TWA: 100 ppm 8 hours
Cumene	TWA: 50 ppm 8 hours
Ethylbenzene	TWA: 20 ppm 8 hours
1,2,4- Trimethylbenzene	TWA: 25 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

<b>Appearance</b>	Clear to pale straw liquid
<b>Odor</b>	Solvent
<b>Odor Threshold</b>	No data available
<b>PH</b>	No data available
<b>Melting point</b>	No data available
<b>Freezing point</b>	No data available
<b>Boiling point</b>	150 C (300 F)
<b>Flash point</b>	> 38 C > 100 F
<b>Relative evaporation rate (butyl acetate=1)</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower explosive limits</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density (Specific gravity)</b>	0.83 Kg per Liter 6.9 Lbs per Gallon
<b>Solubility</b>	Gels in contact with water

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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

<u>10.1 Reactivity</u>	No additional information available
<u>10.2 Chemical stability</u>	Stable under normal conditions
<u>10.3 Possibility of hazardous reactions</u>	Hazardous polymerization will not occur.
<u>10.4 Conditions to avoid</u>	Extreme high or low temperatures. Moisture
<u>10.5 Incompatible materials</u>	Strong acids, bases, amines and strong oxidizing agents
<u>10.6 Hazardous decomposition products</u>	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    Skin	May cause skin irritation
Eyes	May cause serious eye irritation and damage.
Respiration or skin sensitization	May cause respiratory irritation
Germ cell mutagenicity	No data available

#### Carcinogenicity                      IARC

Xylene	3
Ethylbenzene	2B
Cumene	2B

2B - Limited evidence in humans and less than sufficient evidence in animals.

3 - Inadequate in humans and inadequate or limited in animals

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

<u>12.1 Ecotoxicity</u>	Not established
<u>12.2 Persistence and degradability</u>	Not established
<u>12.3 Bioaccumulative potential</u>	Not established
<u>12.4 Mobility in soil</u>	No additional information available
<u>12.5 Other adverse effects</u>	Avoid release to the environment

### SECTION 13. Disposal Considerations

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### 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 regulated under 119 US gallons

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

14.1 UN number

UN1268

14.2 UN proper shipping name

Petroleum distillates,n.o.s.

14.3 Transport hazard class(es)

3

14.4 Packing group

III

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

TSCA

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

12-8-2016

Version

2.1

Number

826-R

Date of previous issue

1-12-2016

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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SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. This information and product are furnished on the condition 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

Flam Liq. 3	H226	Flam Liq. 3 - Flammable liquids, hazard category
Asp. Tox. 1	H304	Asp. Tox. 1 - Aspiration hazard, hazard category 1
Skin Irrit. 2	H315	Skin Irrit. 2 - Skin irritation, hazard category 2
Eye Irrit. 2	H319	Eye Irrit. 2 - Serious eye damage / eye irritation, Category 2
Acute Tox. 4 (inhalation)	H332	Acute Tox. 4 (inhalation) - Acute toxicity (inhalation), hazard category 4
STOT SE 3 Resp Irrit.	H335	STOT SE 3 - Respiratory tract irritation, hazard category 3
STOT SE 3 drowsiness	H336	STOT SE 3 - Narcotic effects, hazard category 3
Carc. 2	H351	Car 2 - Carcinogenicity, Category 2
Repr. 1B	H360	Repr. 1B - Reproductive toxicity, hazard category 1B

H226 - Flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H351 - Suspected of causing cancer  
H360 - May damage fertility or the unborn child

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  
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 - Wash exposed area's thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P303+P361+P353 - IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower  
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