1. Identification

Product identifier used on the label: NOX-RUST® VCI 10
Stock Number: 4150001

Other means of identification:
Synonyms: None
Chemical family: Mixture

Recommended use of the chemical and restrictions on use:
Recommended use: Corrosion Preventive Compound
Restrictions on use: Uses other than those described above

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:
Daubert Chemical Company
4700 S. Central Avenue
Chicago, IL 60638

Telephone number: 708-496-7350
E-mail address: SDS@Daubert.com
Emergency phone number: Chemtrec: (800) 424-9300

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:

GHS Classification: Reproductive Toxicity Category 2
Signal Word: Warning
Hazard Statements: Suspected of damaging fertility or the unborn child.
Unclassified Hazards (HNOC): None Identified
Precautionary Statements:
Prevention: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
Response: IF exposed or concerned: Get medical advice/attention.
Safety Data Sheet

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Replaces: 11-14-2018

Storage: Store locked up.
Disposal: Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.

Hazards not otherwise classified: No data available

### 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common name and synonyms</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethylhexanoic acid</td>
<td>None</td>
<td>149-57-5</td>
<td>0.1 - 1</td>
</tr>
</tbody>
</table>

Specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

**Inhalation:** If symptoms are experienced remove source of contamination or move victim to fresh air and obtain medical advice.

**Eye Contact:** Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

**Skin Contact:** Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**Ingestion:** No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this SDS.

**Most important symptoms/effects, acute and delayed:** Suspected of damaging fertility or the unborn child.

**Indication of immediate medical attention and special treatment needed, if necessary:** Consult a physician. Treat symptomatically.
5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

**Suitable extinguishing media:**

Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire.

Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

**Unsuitable extinguishing media:**

Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:**

Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

**Hazardous combustion products:**

Carbon dioxide, Carbon monoxide, Hydrocarbons

**Special protective equipment and precautions for fire-fighters:**

Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

No adverse health effects expected from the clean-up of spilled material.

Follow personal protective equipment recommendations found in Section VIII of this SDS.

**Methods and materials for containment and cleaning up:**

Collect and discard in accordance with local, state and national regulations.

7. Handling and storage

**Precautions for safe handling:**

Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

**Conditions for safe storage, including any incompatibilities:**

**Safe storage conditions:**

Store in a cool dry place. Isolate from incompatible materials. Store in tightly sealed original container. Do not store in direct sunlight

**Materials to Avoid/Chemical Incompatibility:**

Strong alkalies, Metals, Amines, Ammonia, Carbon steel, Copper, Copper alloys
8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

<table>
<thead>
<tr>
<th>Chemical component</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>ACGIH STEL</th>
<th>IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethylhexanoic acid</td>
<td>5 mg/m3 (inhalable fraction &amp; vapor)</td>
<td>No data available</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Individual protection measures, such as personal protective equipment:

Respiratory Protection: Proper ventilation (at a minimum) will be required when handling this product. Use respirators (NIOSH approved) only if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.

Respirator Type(s): NIOSH approved air purifying respirator with organic vapor cartridge.

Eye protection: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses.

Skin protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: Chemically resistant gloves

Other protective equipment: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses.

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
General hygiene conditions: Use spark-proof tools and explosion-proof equipment. Do not get in eyes, on skin and clothing. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

9. Physical and chemical properties

Appearance (physical state, color etc.):
- Physical state: Oily liquid
- Color: Amber
- Odor: Amine Type
  - Slight
- Odor Threshold: No data available
- pH: No data available

Melting point/freezing point (°C):
- Melting Point (°C): No data available
- Freezing point (°C): No data available

Initial boiling point and boiling range (°C): No data available

Flash Point: > 340 °F (171 °C)

Evaporation Rate: >1 (n-Butyl Acetate=1)

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits:
- Upper flammability or explosive limits: No data available
- Lower flammability or explosive limits: No data available

Vapor pressure: No data available

Vapor density: >1 (Air=1)

Relative density: 0.906

Solubility(ies): Negligible; 0-1%

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature (°C): No data available

Decomposition Temperature (°C): No data available

Viscosity: Typical 38 cSt @ 40°C

Volatiles, % by weight: 6

VOC, Material, lb/gal .45
Safety Data Sheet

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<table>
<thead>
<tr>
<th>VOC, Material, grams/liter</th>
<th>54.0</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC minus exempt solvents &amp; water, g/l</td>
<td>54</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

Reactivity: Not expected to be reactive
Chemical stability: Hazardous polymerization will not occur.
Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid (e.g., static discharge, shock, or vibration): Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
Incompatible materials: Strong alkalies, Metals, Amines, Ammonia, Carbon steel, Copper, Copper alloys
Hazardous decomposition products: Under normal conditions of use & storage, decomposition and hazardous decomposition products are unlikely.

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):
Eye contact, Skin contact, Inhalation

Symptoms related to the physical, chemical and toxicological characteristics:
Suspected of damaging fertility or the unborn child.

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Toxicity: Harmful if swallowed. Estimated to be 2.0 - 5.0 g/kg; slightly toxic
Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Inhalation Toxicity: No data available
Eye Contact: Can cause severe irritation. Eye contact may result in corneal injury. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Temporary vision impairment (cloudy or blurred vision) is possible.
Sensitization: None known
Mutagenicity: No data
Reproductive and Developmental Toxicity: Contains a substance that is a possible reproductive system hazard based on animal studies.
Carcinogenicity: There are no carcinogenic ingredients present at or over 0.1%.
STOT-single exposure: Based on available data, the classification criteria are not met.
STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

Numerical measures of toxicity (such as acute toxicity estimates):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethylhexanoic acid</td>
<td>Oral LD50 Rat = 2043 mg/kg</td>
<td>Dermal LD50 Rat &gt; 2000 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

Is the hazardous chemical listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has it been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA?

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA Carcinogen</th>
<th>IARC Carcinogen</th>
<th>NTP Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): No data available

Ecological Toxicity Data:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Aquatic EC50 Crustacea</th>
<th>Aquatic ERC50 Algae</th>
<th>Aquatic LC50 Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethylhexanoic acid</td>
<td>149-57-5</td>
<td>EC50(48 HR) WATER FLEA 106 mg/L</td>
<td>EC50(72HR) ALGAE 49.3 mg/L</td>
<td>LC50(96 HR) RAINBOW TROUT 180 mg/L</td>
</tr>
</tbody>
</table>

Persistence and degradability: No data
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects (such as hazardous to the ozone layer): No data available

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:
Spent or discarded material is not expected to be a hazardous waste.
Dispose of in accordance with Local and National regulations.

Waste codes / waste designations: Not applicable

14. Transport information

Domestic Ground in containers <= 119 GL Corrosion preventive/Non-Hazardous
Domestic Ground in containers > 119 GL Corrosion preventive/Non-Hazardous
Shipping name for Export, Air (IATA) Corrosion preventive/Non-Hazardous
Shipping name for Export, Sea (IMDG) Corrosion preventive/Non-Hazardous
Marine Pollutant? No

15. Regulatory information

Status of formula components on selected national regulatory inventories:

<table>
<thead>
<tr>
<th>LIST</th>
<th>STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>All components in this product are on the TSCA Inventory or exempt.</td>
</tr>
<tr>
<td>Canadian DSL</td>
<td>One or more chemical substances in this material are on the Canadian NDSL and the remainder are included on the Canadian DSL or are exempt.</td>
</tr>
</tbody>
</table>
### Chemical Name

| Contains no components from California Prop. 65 - Cancer list | Prop. 65 - Cancer |
| Contains no components from California Prop. 65 - Developmental/Reproductive list | Prop. 65 - Developmental and/or Reproductive |
| No CERCLA-listed chemicals in this product. | CERCLA |
| No 313-listed chemicals in this product. | SARA 313 |
| No SARA 302 EHS-listed chemicals in this product. | SARA EHS |

#### 16. Other information, including date of preparation or last revision.

- **SDS Prepared by:** DAUBERT\HALINSKI
- **Revision Date:** 01-08-2019
- **Revision Number:** 38
- **Reason for revision:** Reviewed
  Approved: M. Duncan

**Disclaimer:** Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.