## 1. Identification

**Product identifier used on the label:** NOX-RUST® VCI 105  
**Stock Number:** 4081001

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

**Recommended use of the chemical and restrictions on use:**  
**Recommended use:** Corrosion Preventive  
**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:** 1-708-496-7350  
**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:**

![Hazard Symbol]

**GHS Classification:** Aspiration Hazard Category 1  
**Signal Word:** Danger  
**Hazard Statements:** May be fatal if swallowed and enters airways  
**Unclassified Hazards (HNOC):** None Identified  
**Precautionary Statements:**  
**Response:** If swallowed: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.  
**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>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>None</td>
<td>64742-53-6</td>
<td>80 - 100</td>
</tr>
<tr>
<td>2-Heptadecenyl-4,4 (5H)-Oxazoledimethanol</td>
<td>None</td>
<td>28984-69-2</td>
<td>1 - 5</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:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the unkontaminated eye. Get immediate medical attention.

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

**Ingestion:** Do not induce vomiting. Seek medical attention immediately. Provide medical care provider with this SDS.

**Most important symptoms/effects, acute and delayed:** May be fatal if swallowed and enters airways.

**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.

**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.
6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including: the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

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 ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not store in direct sunlight

Materials to Avoid/Chemical Incompatibility: Strong oxidizing agents

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>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>5mg/m3 (mist)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

This product contains mineral oils having recommended exposure limits of 5 mg/m3 in mist form. Because the viscosity of this product is <= 20.5 cSt, mists can be formed in certain applications. If mists do form, use appropriate controls to maintain exposure below the stated limits.
Safety Data Sheet

Product identifier used on the label: NOX-RUST® VCI 105
Stock Number: 4081001
Revision Date: 01-31-2019
Replaces: 08-04-2016

<table>
<thead>
<tr>
<th>Appropriate engineering controls:</th>
<th>Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910.</th>
</tr>
</thead>
</table>

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.

**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. Have an eye wash station available.

**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. Have an eye wash station available.

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 (mists may form during application)
   Color: Amber
   Odor: Moderate
   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: 272 °F (133 °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: 0.89

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 11 cSt @ 40°C

Volatiles, % by weight: 30.4

VOC, Material, lb/gal 2.25

VOC, Material, grams/liter 270

VOC minus exempt solvents & water, g/l 270
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 oxidizing agents
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 contact, and eye contact):
Eye contact, Skin contact, Inhalation

Symptoms related to the physical, chemical and toxicological characteristics:
May be fatal if swallowed and enters airways

Delayed and immediate effects and also chronic effects from short- and long-term exposure:
Ingestion Toxicity: No data available
Skin Contact: Can cause minor skin irritation.
Inhalation Toxicity: No data available
Eye Contact: Can cause irritation.
Sensitization: None known
Mutagenicity: No data
Reproductive and Developmental Toxicity: No data available
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: Classification has been based on toxicological information of the components in Section 3.
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>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>Oral LD50 Rat &gt; 5000 mg/kg</td>
<td>Dermal LD50 Rabbit &gt; 2000 mg/kg</td>
<td>Inhalation LC50 (4h) Rat = 5.7 mg/L</td>
</tr>
<tr>
<td>2-Heptadecenyl-4,4 (5H)-Oxazoledimethanol</td>
<td>Oral LD50 Mouse &gt; 5000 mg/kg</td>
<td></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>Distillates (petroleum), hydrotreated light naphthenic</td>
<td>64742-53-6</td>
<td>EC50(48 HR) Daphnia &gt; 100 mg/L</td>
<td>EC50(72HR) ALGAE &gt; 100 mg/L</td>
<td>EC50(96HR) FISH &gt; 100 mg/L</td>
</tr>
<tr>
<td>2-Heptadecenyl-4,4 (5H)-Oxazoledimethanol</td>
<td>28984-69-2</td>
<td>No data available</td>
<td>EC50(72HR) ALGAE = 56 - 67 mg/L</td>
<td>LC50(96 HR) GOLDEN ORFE = 2100 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:
Dispose of contents/container to Dispose of contents/container to a suitable disposal site in accordance with local/national/international regulations.
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>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Regulation</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contains no components from California Prop. 65 - Cancer list</td>
<td></td>
<td>Prop. 65 - Cancer</td>
<td></td>
</tr>
</tbody>
</table>
Contains no components from California Prop. 65 - Developmental/Reproductive list
No CERCLA-listed chemicals in this product.
No 313-listed chemicals in this product.
No SARA 302 EHS-listed chemicals in this product.

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

<table>
<thead>
<tr>
<th>SDS Prepared by:</th>
<th>DAUBERT\HALINSKI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date:</td>
<td>01-31-2019</td>
</tr>
<tr>
<td>Revision Number:</td>
<td>29</td>
</tr>
<tr>
<td>Reason for revision:</td>
<td>Reviewed Approved: P. Theruviparampil</td>
</tr>
<tr>
<td>Disclaimer:</td>
<td>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.</td>
</tr>
</tbody>
</table>