SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Code(s): 21344000-M
Product Name RUST VETO 344
Recommended use Rust Preventative
Uses advised against Any other purpose.

Manufacturer, Importer, Supplier

Houghton International Inc. Houghton Canada
Madison & Van Buren Aves. 915 Meyerside Drive
Valley Forge, PA 19482 Mississauga
Telephone: 610-666-4000 FAX: 610-666-1376 ON LST 1R8
Website: www.houghtonintl.com
Customer Service: 888-459-9844

Emergency telephone number

3E Company 1-866-519-4752 (USA, Canada, Mexico)
Company Access Code: 33938

SECTION 2: HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable liquids Category 3

GHS Label elements, including precautionary statements

Signal Word
Warning

Hazard Statements

Flammable liquid and vapor

Precautionary Statements

Precautionary Statements - Prevention
Precautionary Statements - Response

Skin
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Fire
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other information
Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture. Health hazard information is based on its ingredients.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt</td>
<td>8052-42-4</td>
<td>25% - 60%</td>
</tr>
<tr>
<td>Stoddard solvent</td>
<td>8052-41-3</td>
<td>25% - 60%</td>
</tr>
<tr>
<td>Hydrogen sulphide</td>
<td>7783-06-4</td>
<td>0% - 1%</td>
</tr>
</tbody>
</table>

SECTION 4: FIRST AID MEASURES

4.1. Description of first-aid measures

General advice
If symptoms persist, call a physician.

Inhalation
Move to fresh air.

Skin contact
Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.

Eye contact
Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.

Ingestion
Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice.

Protection of First-aiders
Use personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed

Main Symptoms
None

4.3. Indication of immediate medical attention and special treatment needed

Notes to physician
Treat symptomatically.
SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment: Use CO2, dry chemical, or foam. Cool containers / tanks with water spray

Extinguishing media which shall not be used for safety reasons
None

5.2. Special hazards arising from the substance or mixture

Special Hazard
Flammable. Risk of ignition. In the event of fire and/or explosion do not breathe fumes. Water runoff can cause environmental damage. This material creates a fire hazard because it floats on water.

Hazardous Decomposition Products
None under normal use

5.3. Advice for firefighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition.

Advice for non-emergency personnel
Eliminate all ignition sources if safe to do so. Evacuate personnel to safe areas.

Advice for emergency responders
For personal protection see section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

After cleaning, flush away traces with water.

6.4. Reference to other sections

See Section 8/12/13 for additional information

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Remove all sources of ignition. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures/Storage conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of the reach of children.

Recommended Shelf Life
No information available.

Incompatible Materials
Strong oxidizing agents, Strong acids, Strong bases

7.3. Specific end uses
Specific use(s) Rust Preventative

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
<th>AIHA WEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt 8052-42-4</td>
<td>TWA: 0.5 mg/m³ benzene soluble aerosol fume, inhalable fraction</td>
<td>Ceiling: 5 mg/m³ fume 15 min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stoddard solvent 8052-41-3</td>
<td>TWA: 1 ppm</td>
<td>TWA: 500 ppm (vacated) TWA: 2900 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 525 mg/m³</td>
<td>IDLH: 20000 mg/m³ Ceiling: 1800 mg/m³ 15 min TWA: 350 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Hydrogen sulphide 7783-06-4</td>
<td>STEL: 5 ppm TWA: 1 ppm (vacated) TWA: 10 ppm (vacated) TWA: 14 mg/m³ (vacated) STEL: 15 ppm (vacated) STEL: 21 mg/m³ Ceiling: 20 ppm</td>
<td>IDLH: 100 ppm Ceiling: 10 ppm 10 min Ceiling: 15 mg/m³ 10 min</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other Exposure Guidelines
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Exposure controls
Engineering Measures Showers Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment
Eye/Face Protection Safety glasses with side-shields.
Skin and body protection Wear protective gloves/clothing.
Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures Regular cleaning of equipment, work area and clothing is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
SECTION 10: STABILITY AND REACTIVITY

10.1. **Reactivity**

None under normal use conditions

10.2. **Chemical stability**

Stable under normal conditions

10.3. **Possibility of hazardous reactions**

None under normal use conditions

10.4. **Conditions to avoid**

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity

10.5. **Incompatible Materials**

Strong oxidizing agents, Strong acids, Strong bases

10.6. **Hazardous decomposition products**

None under normal use conditions

SECTION 11: TOXICOLOGICAL INFORMATION
Information on likely routes of exposure

Product Information

There is no data available for this product.

Inhalation

There is no data available for this product.

Eye contact

There is no data available for this product.

Skin contact

There is no data available for this product.

Ingestion

There is no data available for this product.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (Rat)</th>
<th>LD50 Dermal (Rat/Rabbit)</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt 8052-42-4</td>
<td>&gt; 5000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Hydrogen sulphide 7783-06-4</td>
<td></td>
<td></td>
<td>= 0.701 mg/L (Rat) 4 h = 0.99 mg/L (Rat) 1 h</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms

Prolonged skin contact may defat the skin and produce dermatitis. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Signs and symptoms may include coughing, gasping, choking and difficulty breathing.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization

None known.

Germ Cell Mutagenicity

None known.

Carcinogenicity

None known.

Reproductive toxicity

None known.

Specific target organ systemic toxicity (single exposure)

None known.

Specific target organ systemic toxicity (repeated exposure)

None known.

Aspiration hazard

None known.

SECTION 12: ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulphide</td>
<td></td>
<td>0.0448: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.016: 96 h Pimephales promelas mg/L LC50 flow-through</td>
<td>0.022: 96 h Gammarus pseudolimnaeus mg/L LC50</td>
<td></td>
</tr>
</tbody>
</table>
Persistence and degradability
No information available.

Bioaccumulation

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asphalt 8052-42-4</td>
<td>6</td>
</tr>
<tr>
<td>Hydrogen sulphide 7783-06-4</td>
<td>0.45</td>
</tr>
</tbody>
</table>

Mobility
The product is insoluble and floats on water. Is not likely mobile in the environment due its low water solubility.

Other adverse effects
No information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment

Waste Disposal Methods
Dispose of in accordance with local regulations.

Contaminated packaging
Observe all label precautions until container is cleaned, reconditioned or destroyed.

SECTION 14: TRANSPORT INFORMATION

DOT
Non-bulk : Not regulated
UN/ID No UN1999
Proper shipping name Tars, liquid
Hazard class 3
Packing group III
Special Provisions B1, B13, IB3, T1, TP3
Marine Pollutant This product contains a chemical which is listed as a marine pollutant according to DOT.
Description UN1999, TARS, LIQUID, 3, III, Marine Pollutant (Stoddard solvent)
Emergency Response Guide Number 130

TDG
Not regulated (If shipped in NON BULK packaging by ground transport)
UN/ID No UN1999
Proper shipping name Tars, liquid
Hazard class 3
Packing Group III
Description UN1999, TARS, LIQUID, 3, III, Marine Pollutant

ICAO/IATA
UN No. UN1999
Proper shipping name Tars, liquid
Hazard class 3
Packing group III
Special Provisions A3
Description UN1999, TARS, LIQUID, 3, III

IMDG/IMO
UN No. UN1999
Proper shipping name Tars, liquid
Hazard class 3
Packing Group III
EmS No. F-E, S-E
Special Provisions 955
Description  UN1999, TARS, LIQUID, 3, III, (40°C c.c.), Marine Pollutant (Stoddard solvent)

SECTION 15: REGULATORY INFORMATION

International Inventories

- TSCA  Complies  
- DSL  Complies  
- AICS  Complies  
- PICCS  Complies  
- KECL  Complies  
- IECSC  Complies  
- ENCS  Complies  

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
AICS - Australian Inventory of Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
ENCS - Japan Existing and New Chemical Substances

U.S. Federal Regulations

SARA 313  
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes</th>
<th>no</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Clean Water Act  
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulphide</td>
<td>100 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

CERCLA  
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen sulphide</td>
<td>100 lb</td>
<td>100 lb</td>
</tr>
</tbody>
</table>

U.S. State Regulations

SCAQMD Rule 1144  
The sale or distribution in the SCAQM District of California for metal working fluids or direct-contact lubricants is allowed if EITHER the VOC of the product itself OR the VOC of the diluted product at the point of use is less than the following limits: (1) 75 g VOC/L for metal forming, metal removal, metal treating; (2) 50 g VOC/L for metal protection, direct-contact lubricant. The VOC of this product as sold is: 435 gVOC/L (ASTM E-1868-10)

California Proposition 65  
This product does not contain any Proposition 65 chemicals.

International Regulations

Mexico - Grade  
Moderate risk, Grade 2
Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
B3  Combustible liquid

Other information
Not applicable

SECTION 16: OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and chemical hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

Key or legend to abbreviations and acronyms used in the safety data sheet
STOT SE - Specific target organ systemic toxicity (Single exposure)
STOT RE - Specific target organ systemic toxicity (repeated exposure)
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
VOC - Volatile organic compounds
NIOSH IDLH: Immediately Dangerous to Life or Health

Revision Date: 07-06-2015
Revision Note
No information available

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

end