



# SAFETY DATA SHEET

Revision Date 09-01-2019

Version 5

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

### 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. Madison & Van Buren Aves. Valley Forge, PA 19482 Telephone: 610-666-4000 FAX: 610-666-1376 Website: www.houghtonintl.com Customer Service: 888-459-9844	Houghton Canada 915 Meyerside Drive Mississauga ON L5T 1R8
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### Emergency telephone number

**United States of America/Canada :** 3E Company - 1-866-519-4752 ( Code 333938 )

## SECTION 2: HAZARDS IDENTIFICATION

### Classification

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Workplace Hazardous Materials Information System (WHMIS) 2015

Flammable liquids	Category 3
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### Label elements

**Signal word**  
WARNING

### **Hazard statements**

Flammable liquid and vapor



### Precautionary Statements

#### Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/Bond container and receiving equipment  
 Use only non-sparking tools  
 Use explosion-proof electrical/ventilating/lighting/equipment  
 Take precautionary measures against static discharge  
 Wear protective gloves/protective clothing/eye protection/face protection

#### 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 CO<sub>2</sub>, 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)

Health	Not Applicable.
Physical	Not Applicable.

#### Other Information

Prolonged skin contact may defat the skin and produce dermatitis  
 Repeated exposure may cause skin dryness or cracking

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

Chemical name	CAS No	Weight-%
Asphalt	8052-42-4	30% - 60%
Stoddard solvent	8052-41-3	30% - 60%
Hydrogen sulphide	7783-06-4	0.1% - 1%

*The exact percentage (concentration) of composition has been withheld as a trade secret.*

## SECTION 4: FIRST AID MEASURES

### Description of first-aid measures

<b>General advice</b>	If symptoms persist, call a physician.
<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	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.

**Most important symptoms and effects, both acute and delayed**

**Main Symptoms** None

**Indication of immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically.

## SECTION 5: FIRE FIGHTING MEASURES

**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

**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

**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

**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.

**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.

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

After cleaning, flush away traces with water.

**Reference to other sections**

See Section 8/12/13 for additional information

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling**

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

**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**

Shelf life 12 months.

**Incompatible materials**

Strong oxidizing agents, Strong acids, Strong bases

**Specific end uses**

**Specific use(s)** Rust Preventative

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

*Legend:*

(s) - Skin; TWA - Time-Weighted Average; STEL - Short Term Exposure Limit; Ceiling - Ceiling Value; TLV® - Threshold Limit Value; PEL (Permissible Exposure Limit); IDLH (immediately dangerous to life and health); WEEL (Workplace Environmental Exposure Level Guides)

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA WEEL
Asphalt 8052-42-4	TWA: 0.5 mg/m <sup>3</sup> (fume, inhalable particulate matter) - [benzene-soluble aerosol]		Ceiling: 5 mg/m <sup>3</sup> (fume)	
Stoddard solvent 8052-41-3	TWA: 100 ppm	TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup>	IDLH: 20000 mg/m <sup>3</sup> TWA: 350 mg/m <sup>3</sup> Ceiling: 1800 mg/m <sup>3</sup>	
Hydrogen sulphide 7783-06-4	TWA: 1 ppm STEL: 5 ppm	Ceiling: 20 ppm	IDLH: 100 ppm Ceiling: 10 ppm Ceiling: 15 mg/m <sup>3</sup>	

OSHA - Occupational Safety and Health Administration of the US Department of Labor  
ACGIH - American Conference of Governmental Industrial Hygienists  
NIOSH - National Institute for Occupational Safety and Health

**Exposure controls****Engineering Measures**

Showers  
Eyewash stations

Ventilation systems.

#### **Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Wear protective gloves/clothing.
<b>Respiratory protection</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Do not breathe vapors, mist or gas.
<b>Hygiene measures</b>	Regular cleaning of equipment, work area and clothing is recommended.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

#### **Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Appearance</b>	opaque Black
<b>Odor</b>	Solvent	<b>Odor threshold</b>	Not Determined
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	
<b>pH</b>	Not Determined		
<b>Melting point / freezing point</b>	Not Determined		
<b>Boiling point / boiling range</b>	Not Determined		
<b>Flash point</b>	> 40 °C / > 104 °F	PMCC	
<b>Evaporation rate</b>	Not Determined		
<b>Flammability (solid, gas)</b>	Not Determined		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	6.0		
<b>Lower flammability limit:</b>	1.0		
<b>Vapor pressure</b>	Not Determined		
<b>Vapor density</b>	Not Determined		
<b>Relative density</b>	0.88	@15.5°C g/cm3	
<b>Solubility(ies)</b>	Insoluble in water		
<b>Partition coefficient</b>	Not Determined		
<b>Autoignition temperature</b>	>= 250 °C / >= 482 °F		
<b>Decomposition temperature</b>	Not Determined		
<b>Kinematic viscosity</b>	> 30 cSt @ 40 °C	ASTM D 445	
<b>Explosive properties</b>	Not applicable		
<b>Oxidizing Properties</b>	Not applicable		

#### **Other Information**

<b>Viscosity, kinematic (100°C)</b>	Not Determined	
<b>Pour Point</b>	Not Determined	
<b>VOC Content (ASTM E-1868-10)</b>	435 g/L	ASTM E1868-10
<b>VOC content</b>	Not Determined	

### **SECTION 10: STABILITY AND REACTIVITY**

#### **Reactivity**

None under normal use conditions

#### **Chemical stability**

Stable under normal conditions

#### **Possibility of hazardous reactions**

None under normal use conditions

#### **Conditions to avoid**

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

#### **Incompatible materials**

Strong oxidizing agents. Strong acids. Strong bases.

#### **Hazardous decomposition products**

None under normal use conditions

### **SECTION 11: TOXICOLOGICAL INFORMATION**

#### **Information on likely routes of exposure**

<b>Product Information</b>	There is no data available for this product.
<b>Inhalation</b>	Based on available data, the classification criteria are not met
<b>Eye contact</b>	Based on available data, the classification criteria are not met
<b>Skin contact</b>	Based on available data, the classification criteria are not met
<b>Ingestion</b>	Based on available data, the classification criteria are not met

#### **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Asphalt 8052-42-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5 mg/L ( Rat )
Hydrogen sulphide 7783-06-4			= 0.701 mg/L ( Rat ) 4 h = 0.99 mg/L ( Rat ) 1 h

#### **Information on toxicological effects**

<b>Symptoms</b>	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.
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#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met
<b>Sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity (single exposure)</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity (repeated exposure)</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

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

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Crustacea
Hydrogen sulphide		0.0448: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 0.016: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	0.022: 96 h <i>Gammarus pseudolimnaeus</i> mg/L LC50

**Persistence and degradability** No information available.

### Bioaccumulation

Chemical name	Partition coefficient
Asphalt 8052-42-4	6
Hydrogen sulphide 7783-06-4	0.45

**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 methods

**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  
**Emergency Response Guide Number** 130  
**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 )

**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 ( STODDARD SOLVENT )

### IATA

UN/ID no	UN1999
Proper shipping name	TARS, LIQUID
Hazard Class	3
Packing Group	III
ERG Code	3L
Description	UN1999, TARS, LIQUID, 3, III

**IMDG**

UN/ID no	UN1999
Proper shipping name	TARS, LIQUID
Hazard Class	3
Packing Group	III
EmS-No	F-E, S-E
Vessel Stowage Location Code	A
Description	UN1999, TARS, LIQUID, 3, III, (40°C c.c.), Marine pollutant ( Stoddard solvent )

<b>SECTION 15: REGULATORY INFORMATION</b>
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**International Inventories**

Inventory information may be utilizing alternative CAS#s or exemptions beyond those stated within this document For further information, please contact: ProductStewardship@houghtonintl.com

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>AICS</b>	Complies
<b>PICCS</b>	Complies
<b>KECL</b>	Complies
<b>IECSC</b>	Complies
<b>ENCS</b>	Complies
<b>TCSI</b>	Complies
<b>NZIoC</b>	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**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  
**TCSI** - Taiwan National Existing Chemical Inventory  
**NZIoC** - New Zealand Inventory of Chemicals

**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**

- Flammable (gases, aerosols, liquids, or solids)

**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):

Chemical name	CWA - Reportable	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous
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	Quantities			Substances
Hydrogen sulphide	100 lb			X

**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):

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Hydrogen sulphide	100 lb	100 lb

**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 g/L gVOC/L (ASTM E-1868-10)

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**International Regulations****Ozone-depleting substances (ODS)**

Not applicable

**Persistent Organic Pollutants**

Not applicable

**Chemicals Subject to Prior Informed Consent (PIC)**

Not applicable

**Other Information**

Not applicable

**SECTION 16: OTHER INFORMATION****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)  
 VOC - Volatile organic compounds  
 NIOSH IDLH: Immediately Dangerous to Life or Health

Revision Date 09-01-2019

Revision Note Company Logo

**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 of Safety Data Sheet**