



HOUGHTON

SAFETY DATA SHEET

Revision Date: 07-06-2015

Version 2

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.
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 LST 1R8

Emergency telephone number

3E Company 1-866-519-4752 (USA, Canada, Mexico)
Company Access Code: 333938

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

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 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.

Chemical Name	CAS-No	Weight %
Asphalt	8052-42-4	25% - 60%
Stoddard solvent	8052-41-3	25% - 60%
Hydrogen sulphide	7783-06-4	0% - 1%

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**

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

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**

Physical state @20°C	liquid	Appearance	opaque Black
Odor	Solvent	Odor Threshold	Not Applicable
Property	Values	Note	
pH	No information available		
Melting Point / Freezing Point	No information available		
Boiling point/boiling range	No information available		
Flash point	> 40 °C / > 104 °F	PMCC	
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limits in Air			
upper flammability limit	6.0		
Lower flammability limit	1.0		
Vapor pressure	No information available		
Vapor density	No information available		
Relative density	0.88	@15.5°C g/cm3	
Solubility(ies)	Insoluble in water		
Partition coefficient: n-octanol/water	Not Applicable		
Autoignition temperature	>= 250 °C / >= 482 °F		
Decomposition temperature	No information available		
Viscosity, kinematic	> 30 cSt @ 40 °C	ASTM D 445	
Explosive properties	Not Applicable		
Oxidizing Properties	Not Applicable		
9.2 Other information			
Viscosity, kinematic (100°C)	No information available		
Pour point	No information available		
VOC Content (ASTM E-1868-10)	435 g/L	ASTM E1868-10	
VOC Content	No information available		

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

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

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.
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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

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Hydrogen sulphide		0.0448: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.016: 96 h Pimephales promelas mg/L LC50 flow-through		0.022: 96 h Gammarus pseudolimnaeus mg/L LC50

Persistence and degradability

No information available.

Bioaccumulation

Chemical Name	log Pow
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****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

UN1999
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

UN1999
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

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	no

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 Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous 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 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

<u>NFPA</u>	Health Hazard 0	Flammability 2	Instability 0	Physical and chemical hazards -
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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.

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