



**HOUGHTON®**

# SAFETY DATA SHEET

Revision Date 08-27-2015

Version 1

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

### Product identifier

**Product Code(s)** 21342000-M  
**Product Name** RUST VETO 342

**Recommended Use** Rust preventive  
**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

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915 Meyerside Drive  
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Efraín Gonzalez Luna, 2007 Depto19  
Col. Americana, Guadalajara,  
Jalisco CP. 44160,  
Mexico  
Phone: +52-333-615-9331

### 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)

Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 3

### Label elements

**Signal word**  
Warning

**Hazard statements**  
Causes serious eye irritation  
May cause drowsiness or dizziness  
Flammable liquid and vapor



**Precautionary Statements****Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/Bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/ .? /equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Keep cool

**Precautionary Statements - Response****Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

**Skin**

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

**Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

**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 container tightly closed

Store locked up

**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-%
Distillates (petroleum), hydrotreated light	64742-47-8	25% - 60%
Calcium dihydroxide	1305-62-0	1% - 2.5%
2-Methylpentane-2,4-diol	107-41-5	1% - 2.5%

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

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346. See Section 15 for additional information on base oils.

**SECTION 4: FIRST AID MEASURES****Description of first-aid measures**

<b>General advice</b>	Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. When symptoms persist or in all cases of doubt seek medical advice.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
<b>Eye contact</b>	Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not rub affected area. Seek immediate medical attention/advice.
<b>Ingestion</b>	If symptoms persist, call a physician. Do not induce vomiting without medical advice. Clean mouth with water and afterwards drink plenty of water.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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

**Main Symptoms** Itching, Eye damage/irritation, Redness

**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, Water spray or fog, Cool containers / tanks with water spray

**Extinguishing media which shall not be used for safety reasons**

Do not use a solid water stream as it may scatter and spread fire

**Special hazards arising from the substance or mixture****Special Hazard**

In the event of fire and/or explosion do not breathe fumes. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Flammable. Risk of ignition. Thermal decomposition can lead to release of irritating gases and vapors.

**Hazardous decomposition products**

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide

**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**

Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Remove all sources of ignition. Keep people away from and upwind of spill/leak.

**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.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Dike to collect large liquid spills. 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**

Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Advice on safe handling.

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

**Technical measures/Storage conditions**

Keep tightly closed in a dry and cool place. Keep in properly labeled containers. 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

**Specific end uses**

**Specific use(s)** Rust preventive

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH	AIHA WEEL
Calcium dihydroxide 1305-62-0	TWA: 5 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> not in effect as a result of reconsideration	TWA: 5 mg/m <sup>3</sup>	
2-Methylpentane-2,4-diol 107-41-5	Ceiling: 25 ppm	(vacated) Ceiling: 25 ppm (vacated) Ceiling: 125 mg/m <sup>3</sup>	Ceiling: 25 ppm Ceiling: 125 mg/m <sup>3</sup>	

**Other Information**

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

**Exposure controls**

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Tightly fitting safety goggles.
<b>Skin and body protection</b>	Wear protective gloves/clothing.
<b>Respiratory protection</b>	No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
<b>Hygiene measures</b>	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	liquid	<b>Appearance</b>	light brown
<b>Odor</b>	mineral oil	<b>Odor threshold</b>	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>	No information available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling point / boiling range</b>	No information available	
<b>Flash point</b>	41 °C / 106 °F	Tag closed cup (BuAc = 1)
<b>Evaporation rate</b>	< 1	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No information available	
<b>Lower flammability limit:</b>	No information available	
<b>Vapor pressure</b>	No information available	
<b>Vapor density</b>	No information available	
<b>Relative density</b>	0.87	g/cm3 @15.5°C
<b>Solubility(ies)</b>	negligible	
<b>Partition coefficient</b>	Not applicable	
<b>Autoignition temperature</b>	No information available	
<b>Decomposition temperature</b>	No information available	
<b>Kinematic viscosity</b>	85 cSt @ 40 °C	
<b>Explosive properties</b>	Not applicable	
<b>Oxidizing Properties</b>	Not applicable	

**Other Information**

<b>Viscosity, kinematic (100°C)</b>	No information available	
<b>Pour Point</b>	No information available	
<b>VOC Content (ASTM E-1868-10)</b>	~ 402 g/L	ASTM E1868-10
<b>VOC content</b>	No information available	

**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**

Keep away from open flames, hot surfaces and sources of ignition, Heat, flames and sparks, Heat (temperatures above flash point), sparks, ignition points, flames, static electricity

**Incompatible materials**

Strong oxidizing agents, Strong acids, Strong bases

**Hazardous decomposition products**

Incomplete combustion and thermolysis produces potentially toxic gases such as carbon monoxide and carbon dioxide.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>
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**Information on likely routes of exposure****Product Information**

There is no data available for this product

**Inhalation**

Vapors may cause drowsiness and dizziness

**Eye contact**

Irritating to eyes.

**Skin contact**

Based on available data, the classification criteria are not met

**Ingestion**

Based on available data, the classification criteria are not met

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Distillates (petroleum), hydrotreated light 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
Calcium dihydroxide 1305-62-0	7340 mg/kg ( Rat )		
2-Methylpentane-2,4-diol 107-41-5	3692 mg/kg ( Rat )	= 8560 µL/kg ( Rabbit )	> 310 mg/m <sup>3</sup> ( Rat ) 1 h

**Information on toxicological effects****Symptoms**

Moderately irritating to the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Prolonged skin contact may defat the skin and produce dermatitis.

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

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure)** May cause drowsiness or dizziness.

**Specific target organ toxicity (repeated exposure)** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Distillates (petroleum), hydrotreated light	1000: 72 h Pseudokirchneriella subcapitata mg/L EC50	1000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Calcium dihydroxide		160: 96 h Gambusia affinis mg/L LC50 static		
2-Methylpentane-2,4-diol	>420: 72 h Selenastrum capricornutum mg/l EC50	10500-11000: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Lepomis macrochirus mg/L LC50 static 8690: 96 h Pimephales promelas mg/L LC50 flow-through 10700: 96 h Pimephales promelas mg/L LC50 static		2700 - 3700: 48 h Daphnia magna mg/L EC50

**Persistence and degradability** The product is not readily biodegradable, but it can be degraded by micro-organisms, it is regarded as being inherently biodegradable.

### Bioaccumulation

Chemical name	Partition coefficient
2-Methylpentane-2,4-diol 107-41-5	0.14

**Mobility** No information available.

**Other adverse effects** No information available

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations.

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

## SECTION 14: TRANSPORT INFORMATION

**DOT** Not regulated in non-bulk; Combustible Liquid in bulk.  
**UN/ID no** NA1993  
**Proper shipping name** COMBUSTIBLE LIQUID, N.O.S.

<b>Hazard Class</b>	Combustible liquid
<b>Packing Group</b>	III
<b>Emergency Response Guide Number</b>	128
<b>Description</b>	NA1993, COMBUSTIBLE LIQUID, N.O.S. (DISTILLATES (PETROLEUM), HYDROTREATED LIGHT), Combustible liquid, III

<b>TDG</b>	Not regulated. (If shipped in NON BULK packaging by ground transport)
<b>UN/ID no</b>	UN1268
<b>Proper shipping name</b>	PETROLEUM DISTILLATES, N.O.S.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

<b>MEX</b>	
<b>UN/ID no</b>	UN1268
<b>Proper shipping name</b>	PETROLEUM DISTILLATES, N.O.S.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

<b>IATA</b>	
<b>UN/ID no</b>	UN1268
<b>Proper shipping name</b>	PETROLEUM DISTILLATES, N.O.S.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>ERG Code</b>	3L
<b>Description</b>	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

<b>IMDG</b>	
<b>UN/ID no</b>	UN1268
<b>Proper shipping name</b>	PETROLEUM DISTILLATES, N.O.S.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>EmS-No</b>	F-E, S-E
<b>Vessel Stowage Location Code</b>	A
<b>Description</b>	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

## SECTION 15: REGULATORY INFORMATION

### International Inventories

<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

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - 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

### 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**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	no
<b>Fire hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **CERCLA**

To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this regulation, Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### 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: ~ 402 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

**NFPA**

Health hazards 2

Flammability 2

Instability 0

Physical and chemical properties -

**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** 08-27-2015

**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**