

# MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

QUAKER HOUGHTON RUST VETO 377 AU

DATE :

(MSDS date)

20.04.2020

**1. Manufacturer/Supplier :**

PPS Industries Limited  
86 Hugo Johnston Drive, Auckland  
New Zealand  
P.O.Box 12823, Penrose, Auckland 1642  
Phone : 64 9 579-1001  
Facsimile : 64 9 579-9497  
Emergency Phone : 0800 657-894  
Website: www.ppsindustries.co.nz

**Emergency Information :**

National Poison Centre 0800 764-766  
Chemcall 24/7 Emergency Response Service : 0800 243-622

**13. Disposal Considerations :**

**Product**

Recommendation - Consult local or national regulations to ensure proper disposal.

**Packaging**

Disposal must be made according to official regulations.

**16. Other Information :**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.



# SAFETY DATA SHEET

Revision Date 04-20-2020

Version 1

## SECTION 1: IDENTIFICATION

### Product identifier

Product Code(s) 21377209-M  
Product Name RUST VETO 377 AU

### Other means of identification

UN Number UN1268

### Recommended use of the chemical and restrictions on use

Recommended Use Rust Preventative  
Uses advised against Any other purpose.

### Suppliers name, address and phone number

#### Manufacturer, Importer, Supplier

Houghton Australia Pty. Ltd.  
287 Wickham Road  
Moorabbin, Victoria  
Australia, 3189  
+61 1300 736 642

#### Distributor

Tyreline Distributors Limited  
87 Kahikatea Drive, Melville  
Hamilton, New Zealand 3206  
Phone: +64 7 843 3552  
Fax: +64 7 843 7389  
E-mail: LubeSales@tyreline.co.nz

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Auckland New Zealand  
Phone: +64 9 8374 438  
Fax: +64 9 837 4410  
Mobile: +64 274 874 023  
E-mail: ayozin@elitesurtech.co.nz

### Emergency telephone number

For further information, please contact: ProductStewardship@houghtonintl.com

Emergency Telephone 3E Company (+)1 760 476 3960 ( Code 333938 )  
Australia: (+)61 1 800 686 951  
Australia (+)61 280 363 166  
New Zealand: (+)64 800 451719

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification

Flammable liquids	Category 3 - (H226)
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Aspiration toxicity	Category 1 - (H304)
Specific target organ toxicity (single exposure)	Category 3 - (H336)

**Label elements**

Flame  
Exclamation mark  
Health hazards



**Signal word**  
DANGER

**Hazard statements**

H226 - Flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways  
H336 - May cause drowsiness or dizziness  
AUH066 - Repeated exposure may cause skin dryness or cracking

**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray  
Use only outdoors or in a well-ventilated area  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Ground/Bond container and receiving 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****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

**Ingestion**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Do NOT induce vomiting

**Fire**

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

**Precautionary Statements - Storage**

Store locked up  
Store in a well-ventilated place. Keep container tightly closed  
Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Causes mild skin irritation  
Harmful to aquatic life with long lasting effects

**New Zealand****HSNO Hazard Classification:**

3.1C - Flammable liquids: medium hazard

- 6.1E - Substances that are acutely toxic  
 6.3B - Substances that are mildly irritating to the skin  
 6.9B - Substances that are harmful to human target organs or systems  
 9.1C - Substances that are harmful in the aquatic environment

### 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	50% - 100%
Highly refined base oil (Viscosity >20.5 cSt @40°C)	-	10% - 25%
2-Butoxyethanol	111-76-2	1% - 2.5%
Barium bis(dinonylnaphthalenesulphonate)	25619-56-1	1% - 2.5%

*The remaining composition is a mixture of non-classified ingredients or additives below the threshold for disclosure*

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>	Immediate medical attention is required. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray.
<b>Inhalation</b>	Move to fresh air. Potential for aspiration if swallowed. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with plenty of water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing.
<b>Ingestion</b>	Do not induce vomiting without medical advice. Clean mouth with water and afterwards drink plenty of water. Aspiration hazard if swallowed - can enter lungs and cause damage. If symptoms persist, call a physician.
<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

<b>Symptoms</b>	May be fatal if swallowed and enters airways.
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#### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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### SECTION 5: FIRE FIGHTING MEASURES

#### Extinguishing media

##### Suitable Extinguishing Media

Use CO2, dry chemical, or foam. Cool containers / tanks with water spray. Water spray or fog.

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

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

#### Specific hazards arising from the chemical

Flammable Risk of ignition Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke) This material creates a fire hazard because it floats on water

#### **Hazardous decomposition products**

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

#### **Special protective equipment and precautions for fire fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Hazchem emergency action code 3Y.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **Personal precautions, protective equipment and emergency procedures**

##### **Personal precautions**

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

##### **For emergency responders**

Use personal protection recommended in Section 8.

#### **Environmental precautions**

See Section 12 for additional Ecological Information.

#### **Methods and material for containment and cleaning up**

##### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

##### **Methods for cleaning up**

Pick up and transfer to properly labeled containers.

### **SECTION 7: HANDLING AND STORAGE**

#### **Precautions for safe handling**

Remove all sources of ignition. Do not eat, drink or smoke when using this product. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

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

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**

None known based on information supplied.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Control parameters**

Chemical name	Australia	New Zealand	New Zealand - Biological Exposure Indices (BEI)
Highly refined base oil (Viscosity >20.5 cSt @40°C)		TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	
2-Butoxyethanol	TWA: 20 ppm	TWA: 25 ppm	

	TWA: 96.9 mg/m <sup>3</sup> STEL: 50 ppm STEL: 242 mg/m <sup>3</sup> (s)	TWA: 121 mg/m <sup>3</sup> (s)	
Barium bis(dinonylnaphthalenesulphonate)	TWA: 0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup> Ba	

**Appropriate engineering controls**

Engineering controls                      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                  No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls        No information available.

Hygiene measures                        Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

Thermal hazards                          None under normal use conditions.

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

Physical state	liquid	Appearance	brown
Odor	Not Determined	Odor threshold	Not Determined

  

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	Not Determined	
Melting point / freezing point	Not Determined	
Boiling point / boiling range	> 130 °C	
Flash point	35 °C / 95 °F	Closed cup
Evaporation rate	Not Determined	
Flammability (solid, gas)	Not Determined	
Flammability Limit in Air		
Upper flammability limit:	Not Determined	
Lower flammability limit:	Not Determined	
Vapor pressure	Not Determined	
Vapor density	Not Determined	
Relative density	0.83	g/cm <sup>3</sup> @15°C
Solubility(ies)	Insoluble in water	
Partition coefficient	Not Determined	
Autoignition temperature	Not Determined	
Decomposition temperature	Not Determined	
Kinematic viscosity	Not Determined	
Explosive properties	Not applicable	
Oxidizing Properties	Not applicable	

Other Information

Viscosity, kinematic (100°C)	Not Determined
Pour Point	Not Determined
VOC Content (ASTM E-1868-10)	Not Determined
VOC content	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 processing.

Conditions to avoid

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

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

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

**SECTION 11: TOXICOLOGICAL INFORMATION**Acute toxicityInformation on likely routes of exposure**Product Information - Principle Routes of Exposure**

Inhalation	Risk of serious damage to the lungs (by aspiration). Vapors may cause drowsiness and dizziness.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	Causes mild skin irritation.
Ingestion	Risk of product entering the lungs on vomiting after ingestion.
Symptoms	May be fatal if swallowed and enters airways. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity - Product Information

ATEmix (oral)	12,885.00 mg/kg
ATEmix (dermal)	52,232.00 mg/kg
ATEmix (inhalation-vapor)	158.00 mg/l
ATEmix (inhalation-dust/mist)	14.10 mg/l

**Acute toxicity - Product Information**

May be harmful if swallowed and enters airways

#### Acute toxicity - Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Distillates (petroleum), hydrotreated light	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h
Highly refined base oil (Viscosity >20.5 cSt @40°C)	>2000 mg/kg	>2000 mg/kg	
2-Butoxyethanol	560 mg/kg ( Rat )	= 220 mg/kg ( Rabbit ) = 2270 mg/kg ( Rat )	= 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h
Barium bis(dinonylnaphthalenesulphonate)	> 2000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 21 mg/l (1h) ( Rat )

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

Skin corrosion/irritation	Mild skin irritant.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory or skin 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 systemic toxicity (single exposure)	May cause drowsiness or dizziness.
Specific target organ systemic toxicity (repeated exposure)	Based on available data, the classification criteria are not met.
Aspiration hazard	Risk of serious damage to the lungs (by aspiration).
Exposure levels	See section 8 for more information
Interactive effects	None known

## SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	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
2-Butoxyethanol	1840: 72 h Pseudokirchneriella subcapitata mg/L EC50	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50 1474: 96 h Oncorhynchus mykiss mg/L LC50	1698 - 1940: 24 h Daphnia magna mg/L EC50 1550: 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.

**Bioaccumulative potential****Component Information**

Chemical name	Partition coefficient
2-Butoxyethanol	0.81

**Mobility**

The product is insoluble and floats on water

**Other adverse effects**

No information available

**SECTION 13: DISPOSAL CONSIDERATIONS****Safe handling and disposal methods**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Disposal of any contaminated packaging**

Do not reuse empty containers.

**Environmental regulations**

No information available

**SECTION 14: TRANSPORT INFORMATION****ADG**

UN Number	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Hazard Class	3
Packing Group	III
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
Special precautions for users	No information available
Hazchem emergency action code	3Y
Description	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

**IMDG**

UN/ID no	UN1268
Proper shipping name	PETROLEUM DISTILLATES, N.O.S.
Hazard Class	3
Packing Group	III
EmS-No	F-E, S-E
Vessel Stowage Location Code	A
Description	UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, (35°C c.c.)

**IATA**

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

ERG Code  
Description

3L  
UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III

## SECTION 15: REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

##### Australia

See section 8 for national exposure control parameters

##### **Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)**

Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

Poison Schedule Number 6

##### New Zealand

##### HSNO Hazard Classification:

- 3.1C - Flammable liquids: medium hazard
- 6.1E - Substances that are acutely toxic
- 6.3B - Substances that are mildly irritating to the skin
- 6.9B - Substances that are harmful to human target organs or systems
- 9.1C - Substances that are harmful in the aquatic environment

HSNO Group Standard: None.

#### 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

TSCA	Complies
DSL	Complies
AICS	Complies
PICCS	Complies
KECL	Complies
IECSC	Complies
ENCS	Does not Comply
TCSI	Complies
NZIoC	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

#### International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Chemicals Subject to Prior Informed Consent (PIC) Not applicable

#### Other Information

The highly refined base oil (Viscosity >20.5 cSt @40°C) contains one or more substance with the following CAS/EC numbers/REACH registration numbers:

Chemical name	CAS No
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated	101316-72-7
Lubricating oils (petroleum), used, noncatalytically refined	101316-73-8
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4
Distillates (petroleum), solvent-refined light paraffinic	64741-89-5
Residual oils (petroleum), solvent deasphalted	64741-95-3
Distillates (petroleum), solvent-refined heavy naphthenic	64741-96-4
Distillates (petroleum), solvent-refined light naphthenic	64741-97-5
Residual oils (petroleum), solvent-refined	64742-01-4
Extracts (petroleum), residual oil solvent	64742-10-5
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8
Distillates (petroleum), solvent-dewaxed light paraffinic	64742-56-9
Residual oils (petroleum), hydrotreated	64742-57-0
Lubricating oils (petroleum), hydrotreated spent	64742-58-1
Residual oils (petroleum), solvent-dewaxed	64742-62-7
Distillates (petroleum), solvent-dewaxed heavy, paraffinic	64742-65-0
Paraffin oils (petroleum), catalytic dewaxed heavy	64742-70-7
Paraffin oils (petroleum), catalytic dewaxed light	64742-71-8
Lubricating oils (petroleum), C>25, hydrotreated bright stock-based	72623-83-7
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity	72623-85-9
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	72623-86-0
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based	72623-87-1
Lubricating oils	74869-22-0
Paraffin oils	8012-95-1
White mineral oil (petroleum)	8042-47-5
C18-C50 branched, cyclic and linear hydrocarbons – Distillates	848301-69-9

## SECTION 16: OTHER INFORMATION

Revision Date

04-20-2020

Revision Note

This SDS has been revised in the following section(s): 2, 12.

#### Key or legend to abbreviations and acronyms used in the safety data sheet

TWA	Time weighted average	STEL	Short term exposure limit
Ceiling	Maximum limit value:	(s) - Skin	Skin designation
+	Sensitizers	C	Carcinogen

STOT SE - Specific target organ systemic toxicity (Single exposure)  
 STOT RE - Specific target organ systemic toxicity (repeated exposure)  
 VOC - Volatile organic compounds

#### 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**