

# MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

QUAKER HOUGHTON HOCUT 807

DATE :

(MSDS date)

21.09.2019

**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.

Revision Date 09-21-2019

Version 4

## SECTION 1: IDENTIFICATION

### Product identifier

Product Code(s) 42011807-M  
Product Name HOCUT 807

### Other means of identification

UN Number Not available

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

Recommended Use Metalworking fluid  
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

### Emergency telephone number

For further information, please contact: [ProductStewardship@houghtonintl.com](mailto: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

<b>Serious eye damage/eye irritation</b>	Category 1 - (H318)
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### Label elements

Corrosion



**Signal word**  
DANGER

**Hazard statements**  
H318 - Causes serious eye damage

**Precautionary Statements - Prevention**  
Wear protective gloves/protective clothing/eye protection/face protection  
**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  
Immediately call a POISON CENTER or doctor/physician

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

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

Chemical name	CAS.No	Weight-%
Highly refined base oil (Viscosity >20.5 cSt @40°C)	-	10% - 25%
Neutralised 2,2'-Iminodiethanol	111-42-2*	2.5% - 10%
Neutralised boric acid	10043-35-3*	2.5% - 10%
2-(Hydroxymethylamino)ethanol	34375-28-5	2.5% - 10%
Alcohols, C12-14, ethoxylated	68439-50-9	2.5% - 10%
Sulfonic acids, petroleum, sodium salts	68608-26-4	2.5% - 10%
2-Butoxyethanol	111-76-2	1% - 2.5%
Sulfonic acids, petroleum, sodium salts	68608-26-4	1% - 2.5%
Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	68155-20-4	1% - 2.5%
2,2'-Iminodiethanol	111-42-2	1% - 2.5%
Terpineol	8000-41-7	0% - 1%

*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.
<b>Inhalation</b>	Remove to fresh air.
<b>Skin contact</b>	Wash off immediately with plenty of water.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Seek immediate medical attention/advice.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

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

**Symptoms** Eye damage/irritation.

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

**Note to physicians** 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.

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

None

**Specific hazards arising from the chemical**

Water runoff can cause environmental damage

**Hazardous decomposition products**

None under normal use

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

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

## **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.

**For emergency responders**

Use personal protection recommended in 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 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**

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

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

Keep containers tightly closed in a dry, cool and well-ventilated place.

**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: 96.9 mg/m <sup>3</sup> STEL: 50 ppm STEL: 242 mg/m <sup>3</sup> (s)	TWA: 25 ppm TWA: 121 mg/m <sup>3</sup> (s)	
2,2'-Iminodiethanol	TWA: 3 ppm TWA: 13 mg/m <sup>3</sup>	TWA: 3 ppm TWA: 13 mg/m <sup>3</sup> (s)	

**Appropriate engineering controls**

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems

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

**Eye/face protection**                      Tight sealing safety goggles. If splashes are likely to occur, wear: Face-shield.

**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**                              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. Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

**Thermal hazards**                                None under normal use conditions.

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

**Physical state**                                      liquid                                      **Appearance**                                      clear amber  
**Odor**                                                  Not Determined                                      **Odor threshold**                                      Not Determined

Property	Values	Remarks
pH	9.1	@5%
Melting point / freezing point	Not Determined	
Boiling point / boiling range	Not Determined	
Flash point	Not Determined	
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	1.03	g/cm <sup>3</sup> @15°C
Solubility(ies)	emulsifiable	
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**

None known based on information supplied.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

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

Inhalation	Based on available data, the classification criteria are not met.
Eye contact	May result in permanent damage including blindness.
Skin contact	Based on available data, the classification criteria are not met.

**Ingestion** Based on available data, the classification criteria are not met

**Symptoms** Corrosive - causes irreversible eye damage.

**Numerical measures of toxicity - Product Information**

ATEmix (oral) 6,035.00 mg/kg  
 ATEmix (dermal) 48,415.00 mg/kg  
 ATEmix (inhalation-vapor) 484.00 mg/l  
 ATEmix (inhalation-dust/mist) 27.60 mg/l

**Acute toxicity - Product Information**

Product does not present an acute toxicity hazard based on known information

**Acute toxicity - Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Highly refined base oil (Viscosity >20.5 cSt @40°C)	>2000 mg/kg	>2000 mg/kg	
Neutralised 2,2'-Iminodiethanol	1100 mg/kg ( Rat )		
Neutralised boric acid	3500 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 0.16 mg/L ( Rat ) 4 h
2-(Hydroxymethylamino)ethanol	1620 mg/kg ( Rat )	>5000 mg/kg ( Rabbit )	
Alcohols, C12-14, ethoxylated	>2000 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	
Sulfonic acids, petroleum, sodium salts	>6000 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	
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
Sulfonic acids, petroleum, sodium salts	>5000 mg/kg ( Rat )	>500 mg/kg ( Rabbit )	
Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	7430 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	
2,2'-Iminodiethanol	1100 mg/kg ( Rat )		
Terpineol	>2000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	

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

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Causes severe eye damage.

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

**Specific target organ systemic 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.

**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
Neutralised 2,2'-Iminodiethanol	2.2: 96 h Pseudokirchnerella subcapitata mg/L EC50	1370 - 1550: 96 h Pimephales promelas mg/L LC50	30.1 - 89.9: 48 h Daphnia magna mg/L EC50
Neutralised boric acid	>28: 72 h Selenastrum capricornutum mg/L EC50	1020: 72 h Carassius auratus mg/L LC50 flow-through 627: 96 h Oncorhynchus tshawytscha mg/L LC50	115 - 153: 48 h Daphnia magna mg/L EC50
2-(Hydroxymethylamino)ethanol		>100: 96 h Oncorhynchus mykiss mg/L LC50	27.9: 48 h Daphnia magna mg/L EC50
Alcohols, C12-14, ethoxylated	>0.1: 72 h Desmodesmus subspicatus mg/L EC50	>0.1: 96 h Brachydanio rerio mg/L LC50	>0.1: 48 h Daphnia magna mg/L EC50
Sulfonic acids, petroleum, sodium salts	>100: 72 h Desmodesmus subspicatus mg/L EC50		
2-Butoxyethanol	1840: 72 h Pseudokirchnerella 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
Sulfonic acids, petroleum, sodium salts		>1000: 96 h Pimephales promelas mg/L LC50	>1000: 48 h Daphnia magna mg/L EC50
2,2'-Iminodiethanol	2.2: 96 h Pseudokirchnerella subcapitata mg/L EC50	1370 - 1550: 96 h Pimephales promelas mg/L LC50	30.1 - 89.9: 48 h Daphnia magna mg/L EC50
Terpineol		6.1: 96 h Danio rerio mg/L LC50	5.18: 48 h Daphnia magna mg/L EC50

#### Persistence and degradability

No information available

#### Bioaccumulative potential

Chemical name	Partition coefficient
Neutralised 2,2'-Iminodiethanol	-2.18
Neutralised boric acid	-0.757
2-Butoxyethanol	0.81
Sulfonic acids, petroleum, sodium salts	18.05
2,2'-Iminodiethanol	-2.18

#### Mobility

No information available

#### 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** Not Regulated

**IMDG** Not Regulated

**IATA** Not Regulated

**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** 5

**New Zealand**

**HSNO Hazard Classification:**

6.3B - Substances that are mildly irritating to the skin

8.3A - Substances that are corrosive to ocular tissue

9.1C - Substances that are harmful in the aquatic environment

**HSNO Approval Number:**

**HSNO Approval Number:** HSR002612

**HSNO Group Standard:** Metal Industry Products (Subsidiary hazard) GROUP STANDARD 2017.

**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>	Does not Comply
<b>IECSC</b>	Complies
<b>ENCS</b>	Complies

TCSI  
NZIoC

Complies  
Complies

**Legend:**

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  
 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

09-21-2019

Revision Note

This SDS has been revised in the following section(s), Company Logo.

**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**