

# MSDS ATTACHMENT

PLEASE ATTACH THIS COMPLETED SHEET TO THE MSDS FOR :

PRODUCT :

QUAKER HOUGHTON HYDROLUBRIC 120A

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.



# SAFETY DATA SHEET

Revision Date 09-21-2019

Version 4

## SECTION 1: IDENTIFICATION

### Product identifier

Product Code(s) 05121201-M  
Product Name HYDROLUBRIC 120A

### Other means of identification

UN Number Not available

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

Recommended Use Fire-resistant hydraulic 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

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Specific target organ toxicity (repeated exposure)	Category 2 - (H373)

### Label elements

Health hazards  
Corrosion



**Signal word**  
DANGER

**Hazard statements**

H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H373 - May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not breathe dust/fume/gas/mist/vapors/spray  
Wear protective gloves/eye protection/face protection

**Precautionary Statements - Response**

Get medical advice/attention if you feel unwell

**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

**Skin**

IF ON SKIN: Wash with plenty of soap and water  
If skin irritation occurs: Get medical advice/attention  
Take off contaminated clothing and wash before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Harmful to aquatic life with long lasting effects  
Toxic to aquatic life

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

Chemical name	CAS No	Weight-%
2,2'-Iminodiethanol	111-42-2	10% - 25%
Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	68155-20-4	2.5% - 10%
Sodium benzoate	532-32-1	1% - 2.5%
3-Iodo-2-propynyl butylcarbamate	55406-53-6	0% - 1%
1,2-Benzisothiazol-3(2H)-one	2634-33-5	0% - 1%

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

### SECTION 4: FIRST AID MEASURES

**Description of first aid measures**

**General advice**

Do not get in eyes, on skin, or on clothing. Immediate medical attention is required. Do not breathe dust/fume/gas/mist/vapors/spray.

**Inhalation**

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.

**Skin contact**

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash

	contaminated clothing before re-use. If symptoms persist, call a physician.
<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>	Clean mouth with water and afterwards drink plenty of water. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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

**Symptoms** Redness. Rash. Itching. 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. Keep people away from and upwind of spill/leak.

**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**

No information available

**Incompatible materials**

Acids.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

Chemical name	Australia	New Zealand	New Zealand - Biological Exposure Indices (BEI)
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**                      Tightly fitting 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**

<b>Physical state</b>	liquid	<b>Appearance</b>	opaque, yellow brown
<b>Odor</b>	Not Determined	<b>Odor threshold</b>	Not Determined

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH	9.9	@3%
Melting point / freezing point	Not Determined	
Boiling point / boiling range	Not Determined	
Flash point		
Evaporation rate	Not Determined	
Flammability (solid, gas)	Not Determined	
<b>Flammability Limit in Air</b>		
Upper flammability limit:	Not Determined	
Lower flammability limit:	Not Determined	
Vapor pressure	Not Determined	
Vapor density	Not Determined	
Relative density	1.018	g/cm3 @15°C
Solubility(ies)	Soluble 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	
<b><u>Other Information</u></b>		
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

Acids.

### Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx).

## SECTION 11: TOXICOLOGICAL INFORMATION

### Acute toxicity

### Information on likely routes of exposure

**Product Information - Principle Routes of Exposure**

<b>Inhalation</b>	Based on available data, the classification criteria are not met.
<b>Eye contact</b>	May result in permanent damage including blindness.
<b>Skin contact</b>	Irritating to skin.
<b>Ingestion</b>	Based on available data, the classification criteria are not met
<b>Symptoms</b>	Moderate skin irritation. Corrosive - causes irreversible eye damage.

**Numerical measures of toxicity - Product Information**

<b>ATEmix (oral)</b>	10,902.00 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	321.15 mg/l

**Acute toxicity - Product Information**

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

**Acute toxicity - Component Information**

<b>Chemical name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
2,2'-Iminodiethanol	1100 mg/kg ( Rat )		
Amides, tall-oil fatty, N,N-bis(hydroxyethyl)	7430 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	
Sodium benzoate	>2000 mg/kg ( Rat )	>2000 mg/kg ( Rabbit )	
3-Iodo-2-propynyl butylcarbamate	= 1470 mg/kg ( Rat )		
1,2-Benzisothiazol-3(2H)-one	1020 mg/kg ( Rat )	4115 mg/kg ( Rat )	

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

<b>Skin corrosion/irritation</b>	Irritating to skin.
<b>Serious eye damage/eye irritation</b>	Causes severe eye damage.
<b>Respiratory or skin 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 systemic toxicity (single exposure)</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ systemic toxicity (repeated exposure)</b>	May cause damage to organs through prolonged or repeated exposure.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Exposure levels</b>	See section 8 for more information
<b>Interactive effects</b>	None known

**SECTION 12- ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Crustacea
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
Sodium benzoate	30.5: 72 h Pseudokirchnerella subcapitata mg/L EC50	484: 96 h Pimephales promelas mg/L LC50	650: 48 h Daphnia magna mg/L EC50
3-Iodo-2-propynyl butylcarbamate	0.053: 72 h Scenedesmus subspicatus mg/L EC50	0.067: 96 h Oncorhynchus mykiss mg/L LC50	0.16: 48 h Daphnia Magna mg/L EC50
1,2-Benzisothiazol-3(2H)-one	0.11: 72 h Selenastrum capricornutum mg/L EC50 0.15: 72 h Desmodesmus subspicatus mg/L EC50	2.18: 96 h Oncorhynchus mykiss mg/L LC50 5.9: 96 h Lepomis macrochirus mg/L LC50	2.94: 48 h Daphnia magna mg/L EC50

**Persistence and degradability**

No information available

**Bioaccumulative potential**

Chemical name	Partition coefficient
2,2'-Iminodiethanol	-2.18
Sodium benzoate	-2.13
3-Iodo-2-propynyl butylcarbamate	2.8
1,2-Benzisothiazol-3(2H)-one	0.4

**Mobility**

Will likely be mobile in the environment due to its water solubility Miscible with 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** 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** 6**New Zealand****HSNO Hazard Classification:**

- 6.3A - Substances that are irritating to the skin
- 6.9B - Substances that are harmful to human target organs or systems
- 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
<b>TCSI</b>	Complies
<b>NZIoC</b>	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**

Not applicable

**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**