

# **SAFETY DATA SHEET**

OSHA HCS (29 CFR 1910.1200)

#### **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier** 

Chemical Name Not applicable
Trade name PHC401-HH-84.5

CAS No. Mixture EINECS No. Mixture

Relevant identified uses of the substance or mixture and uses advised against

Identified use(s) Synthetic Bearing Lubricant

Uses advised against None.

Details of the supplier of the safety data sheet

Company Identification Permawick Company

3110 Permawick Drive Colombus, IN, 47201

Telephone (812) 376-0703 Fax (812) 372-1410

E-Mail (competent person) sales@permawick.com

**Emergency telephone number** 

Emergency Phone No. Monday - Friday, 8 am - 4:30 p.m. (EST) (812) 376-0703

CHEMTREC 24 hr. (800)424-9300

# **SECTION 2: HAZARDS IDENTIFICATION**

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200) Aquatic Chronic 3

Label elements

Hazard Symbol None

Hazard statement(s) H412-Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

Avoid release to the environment.

Other hazards

Not classified as PBT or vPvB.

Additional Information May produce an allergic reaction in persons already

sensitised.

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
2,6-Di-Tert,butyphenol	0 – 1.0	128-39-2	Repr. 2 Aquatic Acute 1 Aquatic Chronic 1
Aromatic amine	0 – 0.1	128-37-0	Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

**Additional Information -** Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.: None

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# **SECTION 4: FIRST AID MEASURES**



### Description of first aid measures

Inhalation Unlikely to be required but if necessary treat

symptomatically.

Skin Contact Wash affected skin with soap and water.

Eye Contact Eyes should be washed with plenty of water. If symptoms

occur obtain medical attention.

Ingestion Unlikely to be required but if necessary treat

symptomatically.

Most important symptoms and effects, both acute

and delayed

None

Indication of the immediate medical attention and

special treatment needed

None

# **SECTION 5: FIRE-FIGHTING MEASURES**

#### **Extinguishing media**

-Suitable Extinguishing Media Extinguish with waterspray, dry chemical, sand or carbon

dioxide.

-Unsuitable Extinguishing Media None anticipated.

Special hazards arising from the substance or mixture

This product may give rise to hazardous fumes in a fire.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective

clothing should be worn in fire conditions.

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

Personal precautions, protective equipment and

emergency procedures

Avoid skin contact. Avoid contact with eyes.

contamination.

Methods and material for containment and cleaning up Contain and cover spilled substance with dry sand or earth

or other suitable dry material. Transfer to a container for

disposal or recovery.

Reference to other sections None
Additional Information None

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

Precautions for safe handling Avoid skin contact. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities

-Storage Temperature Store at room temperature. -Incompatible materials Strong oxidising agents.

Specific end use(s)

Lubricating agent

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

#### **Control parameters**

#### **Occupational Exposure Limits**

		LTEL (8 hr TWA ppm)		STEL (ppm)		
SUBSTANCE.	CAS No.	PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	Note:
Distillates, petroleum, hydrotreated heavy paraffinic		5mg/m <sup>3</sup>		10mg/m <sup>3</sup>		

Recommended monitoring method

None

**Exposure controls** 

Appropriate engineering controls Not normally required.

Personal protection equipment

Eye/face protection Safety spectacles.



Skin protection (Hand protection/ Other)

Not normally required.



Respiratory protection Not normally required.



Thermal hazards Not normally required.

**Environmental Exposure Controls**Use appropriate container to avoid environmental contamination.

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the

local authority for advice.

# **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

#### Information on basic physical and chemical properties

Appearance Granular.

Colour White to Straw Yellow Odour Mild petroleum Odour Threshold (ppm) Not available pH (Value) Not available

Melting Point (°C) / Freezing Point (°C)

Boiling point/boiling range (°C):

Flash Point (°C)

Evaporation rate

Flammability (solid, gas)

Explosive limit ranges

Not available

Not determined.

>171 [Open cup]

Not applicable

Not applicable

Vapour Pressure (Pascal)

Vapour Density (Air=1)

Density of oil (g/ml)

Solubility (Water)

Not application in transfers

1

Not application in the process of the process

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Solubility (Other)

Partition Coefficient (n-Octanol/water)

Auto Ignition Temperature (°C)

Not available
>282

Decomposition Temperature (°C) Not available

Kinematic Viscosity (cSt) @ 40°C (Base Oil) 76 (Listed in: Product specification)

Explosive properties Not explosive.

Oxidising properties Not oxidising.

Other information Not available

# **SECTION 10: STABILITY AND REACTIVITY**

**Reactivity** Stable under normal conditions.

Chemical stability Stable.

Possibility of hazardous reactions None anticipated.

Conditions to avoid None Incompatible materials Oxidizers

Hazardous Decomposition Product(s)

Carbon monoxide, Carbon dioxide

# **SECTION 11: TOXICOLOGICAL INFORMATION**

#### Information on toxicological effects

#### Aromatic amine

### **Acute toxicity**

-Ingestion >5g/Kg Mouse
-Inhalation No data
-Dermal No data

-Irritation May cause irritation.

SensitisationSensitizerRepeated dose toxicityNo dataMutagenicityNo dataCarcinogencityNo dataToxicity for reproductionNo data

Other information IARC, NTP, OSHA, ACGIH do not list this product or

any components thereof as known or suspected

carcinogen.

#### 11.1 Information on toxicological effects

#### 11.1.1 Substances

Not applicable

#### 11.1.2 Mixtures

Acute toxicity

Irritation

Corrosivity

Sensitisation

Repeated dose toxicity

Not available.

Not available.

Not available.

Not available.

Not available.

Carcinogenicity This oil has been highly refined by a variety of processes

to reduce aromatics and improve performance

characteristics. It meets the IP-346 criteria of less than 3 percent PAH's and is not considered a carcinogen by the

International Agency for Research on Cancer...

Mutagenicity Not available.

Toxicity for reproduction Not available.

#### 11.1.3 Substances in preparations / mixtures

#### 1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl- (CAS No.94270-86-7)

## **Acute toxicity**

-Ingestion No data
-Inhalation No data

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-Dermal No data

-Irritation May cause irritation.

SensitisationSensitizerRepeated dose toxicityNo dataMutagenicityNo dataCarcinogencityNo dataToxicity for reproductionNo data

Other information None known.

#### **SECTION 12: ECOLOGICAL INFORMATION**

#### **12.1** GHS Classification:

<u>H412</u> **Hazardous to the aquatic environment, chronic toxicity -- Category 3.** Harmful to aquatic life with long lasting effects.

Aromatic amine

Acute toxicity Fish LC50 = 0.06 mg/l (96 hour) (Rainbow trout)

Fish LC50 = 44.8 mg/l (96 hour) (Fathead minnow) Aquatic invertebrates: EC50 = 146 µg/l (48 hour) (D.

magna)

Algae EL50 > 2500  $\mu$ g/l (72 hour) / (96 hour) (S.

capricornutum)

Long Term Fish Sublethal Effects = 0.9 mg/l (4 week(s)) (O.

mykiss)

No data

Toxicity -

Mobility in soil

Substances in preparations / mixtures

1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl- (CAS No.94270-86-7)

 Acute toxicity
 No data

 Long Term Toxicity
 No data

 Persistence and degradability
 Not available

 Bioaccumulative potential
 Not available

12.5 Results of PBT and vPvB assessment Not classified as PBT or vPvB.

12.6 Other adverse effects None known.

# **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods Disposal should be in accordance with local, state or

national legislation. Consult an accredited waste disposal

contractor or the local authority for advice.

Additional Information None known.

# **SECTION 14: TRANSPORT INFORMATION**

#### **DOT (DEPARTMENT OF TRANSPORTATION)**

UN number

12.2

12.3

12.4

Proper Shipping Name

Transport hazard class(es)

Packing Group

Marine Pollutant

Special precautions for user

Land transport (ADR/RID)

Not classified as dangerous for transport.

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UN number Proper Shipping Name Transport hazard class(es) Packing Group Marine Pollutant Special precautions for user	N	ot classified as dangerous for	transport.					
Sea transport (IMDG) UN number Proper Shipping Name Transport hazard class(es) Packing Group Environmental hazards Special precautions for user	N	ot classified as dangerous for	transport.					
Air transport (ICAO/IATA) UN number Proper Shipping Name Transport hazard class(es) Packing Group Environmental hazards Special precautions for user	N	ot classified as dangerous for	transport.					
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code								
SECTION 15: REGULATORY INFORMATION								
Safety, health and environmental regulations/legislation specific for the substance or mixture:								
TSCA (Toxic Substance Control A			exempt.					
Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):								
Chemical Name	CAS No.	Typical 9/144	RQ (Pounds)					
None		Typical %wt.	(Founds)					
110/12								
SARA 311/312 - Hazard Categories	<b>s</b> :							
☐ Fire ☐ Sudden Release	e 🛛 Reactivity 🖾 Imn	nediate (acute)	c (delayed)					
SARA 313 - Toxic Chemicals (40 CFR 372):								
	Chemical Name	CAS No	o. Typical %wt.					
	None							
SARA 302 - Extremely Hazardous Substances(40 CFR 355):								
	cal Name	CAS No. Typica	I %wt TPQ (nounds)					

# **SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 1-16.

None

Date of preparation: April 15, 2013

Additional Information: None.

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