

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name
Not applicable
Trade name
P2AO 110PG
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)

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)
tris(methylphenyl) phosphate	0 – 1.0	1330-78-5	Suspected of damaging fertility or the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl-	0 – 0.1	94270-86-7	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

Revision: 14 August 2015 Page: 1/6

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.

Environmental precautions

Use appropriate container to avoid environmental

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

Revision: 14 August 2015 Page: 2/6

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:
None						

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

Viscous liquid. Appearance Colour Amber, Clear. Mild petroleum Odour Odour Threshold (ppm) Not available Not available pH (Value) Melting Point (°C) / Freezing Point (°C) Not available Boiling point/boiling range (°C): Not determined. Flash Point (°C) 230 - 270 [Open cup] Evaporation rate Not applicable Not applicable Flammability (solid, gas)

Explosive limit ranges
Vapour Pressure (Pascal)
Vapour Density (Air=1)
Density (g/ml)
Solubility (Water)
Not applicable
< 1
> 1
Density (g/ml)
D.82 - 0.85
Insoluble.

Revision: 14 August 2015 Page: 3/6

Solubility (Other)

Partition Coefficient (n-Octanol/water)

Auto Ignition Temperature (°C)

Decomposition Temperature (°C)

Not available

Not available

Kinematic Viscosity (cSt) @ 40°C >20.5 - 150 (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

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

Acute toxicity

-Ingestion No data
-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.

tris(methylphenyl) phosphate (CAS No. 1330-78-5)

Acute toxicity

-Ingestion LD50 > 20,000 mg/kg (rat) -Inhalation LC50 > 11.1 mg/l (rat) (1 hour(s))

-Dermal LD50 3.7 g/kg (rabbit)

-Irritation Slightly irritant (Skin). Non-irritant to rabbit eyes.

SensitisationIt is not a skin sensitiser.Repeated dose toxicityOral: NOAEL = 1000 mg/kg (rat)

MutagenicityNegativeCarcinogencityNo dataToxicity for reproductionPositive

Developmental Toxicity LOAEL = 20 mg/kg (Developmental)

NOEL = 20 mg/kg (Maternal)

Other information None known

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

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

Acute toxicity No data
Long Term No data

tris(methylphenyl) phosphate (CAS No. 1330-78-5)

Revision: 14 August 2015 Page: 4/6

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

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

Algae EL50 > 2500 μ g/l (72 hour) / (96 hour) (S.

capricornutum)

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

Aquatic invertebrates: NOEC = 0.011 - 0.019 mg/l

(Survival) (G. pseudolimnaeus)

Persistence and degradability Not available Bioaccumulative potential Not available Mobility in soil No data

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

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.

Not classified as dangerous for transport.

Additional Information None known.

SECTION 14: TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

UN number

Proper Shipping Name Transport hazard class(es)

Packing Group Marine Pollutant

Special precautions for user

Land transport (ADR/RID)

UN number

Proper Shipping Name Transport hazard class(es)

Packing Group

Marine Pollutant

Special precautions for user

Not classified as dangerous for transport.

Not 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

Air transport (ICAO/IATA)

UN number

Proper Shipping Name

Transport hazard class(es)

Packing Group

Environmental hazards

Special precautions for user

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code

Not classified as dangerous for transport.

Not established

Revision: 14 August 2015 Page: 5/6

SECTION 15: REGULATORY INFORMATION

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

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

			RQ
Chemical Name	CAS No.	Typical %wt.	(Pounds)
None			

	SARA	311/312	- Hazard	Categories:
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☐ Fire ☐ Sudden Release ☐ Reactivity ☐ Immediate (acute) ☐ Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None		

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None			

SECTION 16: OTHER INFORMATION

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

Date of preparation: April 15, 2013

Additional Information: None.

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Revision: 14 August 2015 Page: 6/6