



# P2AO110C Oil

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

Chemical Name	Not applicable
Trade name	P2AO110C Oil
CAS No.	Mixture
EINECS No.	Mixture

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

Identified use(s)	Synthetic Bearing and anticorrosion Lubricant
Uses advised against	None.

#### Details of the supplier of the safety data sheet

Company Identification	Permawick Company 3110 Permawick Drive Columbus, 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
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### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Asp. Tox. 1; Eye Irrit. 2
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#### Label elements

Hazard Symbol



Signal Word(s)

**DANGER**

Hazard statement(s)

Causes serious eye irritation.

Precautionary statement(s)

Wear protective gloves/eye protection.  
Wash hands and exposed skin after use.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.  
Store locked up.

#### Other hazards

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.  
Not classified as PBT or vPvB.

#### Additional Information

**May produce an allergic reaction in persons already sensitized.**

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Dec-1-ene, homopolymer, hydrogenated	60 - 90	68037-01-4	May be fatal if swallowed and enters airways.
Proprietary carboxylate-imidazole derivative corrosion inhibitor	1	Trade Secret	Harmful if swallowed. Causes serious eye damage. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Naphthalenesulfonic acid, dinonyl-, calcium salt (2:1)	2.7	57855-77-3	Causes serious eye irritation. Causes skin irritation.

**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

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Not normally required. Treat symptomatically.
Skin Contact	Wash affected skin with soap and water.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Ingestion	Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.

**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** Wear protective gloves/eye protection.

**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.



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Reference to other sections None  
 Additional Information None

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling** Wear protective gloves/eye protection. Wash hands and exposed skin after use.

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

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

**Specific end use(s)** Lubricating agent

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	----	----	----	----	----	

**Recommended monitoring method** None

**Exposure controls**

**Appropriate engineering controls** Not normally required.

**Personal protection equipment**

Eye/face protection Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other) Gloves



Respiratory protection Not normally required.



Thermal hazards Not normally required.

**Environmental Exposure Controls** Not normally required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Appearance Liquid  
 Colour Clear / Amber.



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Odour	Mild petroleum
Odour Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	230 [Cleveland Open cup]
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosive limit ranges	Not available
Vapour Pressure (Pascal)	Not available
Vapour Density (Air=1)	Not available
Density (g/ml)	0.834
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Temperature (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt) @ 40°C	25.92 at 40° C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
<b>Other information</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	None
<b>Incompatible materials</b>	Oxidizers
<b>Hazardous Decomposition Product(s)</b>	Carbon monoxide, Carbon dioxide

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Dec-1-ene, homopolymer, hydrogenated (CAS No. 68037-01-4)

#### Acute toxicity

-Ingestion	LD50 > 5000 mg/kg (rat)
-Inhalation	LC50 > 5.2 mg/l (4 hour(s)) (rat)
-Dermal	LD50 > 3000 mg/kg (rabbit)
-Irritation	Non-irritant.

#### Sensitisation

It is not a skin sensitiser.

#### Repeated dose toxicity

Oral NOAEL = 1000 mg/kg (rat)

#### Mutagenicity

Negative

#### Carcinogenicity

No data

#### Other information

IARC, NTP, OSHA, ACGIH do not list this product or any components thereof as known or suspected carcinogen.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

Dec-1-ene, homopolymer, hydrogenated (CAS No. 68037-01-4)

#### Acute toxicity

Fish LL50 > 1000 mg/l (96 hour) (*O. mykiss*)  
Aquatic invertebrates: EL 50 > 1000 mg/l (48 hour) (*D. magna*)



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Long Term	Algae EL50 > 1000 mg/l (72 hour) ( <i>S. capricornutum</i> )
Persistence and degradability	Aquatic invertebrates: NOELR = 125 mg/l ( <i>D. magna</i> ) (21 days)
Bioaccumulative potential	Not available
Mobility in soil	Not available
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.
Additional Information	None known.

## SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT / ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name	Not classified as dangerous for transport.		
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 applicable

## 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):

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

SARA 311/312 - Hazard Categories:

- 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: May 25, 2017



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**Additional Information:** None.

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