

# Safety Data Sheet

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Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** PURUS Premium Cotton Picker Spindle Cleaner

**Other means of identification** PIN27321, PIN17321  
**SDS #** PUR-039

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

**Recommended Use** For cleaning cotton picker spindles

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

#### **Supplier Address**

Warren Oil Company  
915 E. Jefferson Ave.  
West Memphis, AR 72301

#### **Manufactured for:**

AIOD  
P.O. BOX 1861  
Montrose, CO 81402-1861  
970-249-6336 www.purusproducts.com

### Emergency Telephone Number

**Company Phone Number** 1-800-428-9284  
**Emergency Telephone (24 hr)** CHEMTREC 1-800-424-9300 (North America) 1-703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance:** Clear, amber liquid

**Physical State:** Liquid

**Odor:** Mild Petroleum

### Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	80 – 90
Severely Hydrotreated Heavy Naphthenic Petroleum Oil	64742-52-5	< 5
Ethyl Alcohol	64-17-5	< 1

\*\*If Chemical Name/CAS No. is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

### First Aid Measures

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<b>Eye Contact:</b>	Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.
<b>Skin:</b>	No treatment is necessary under ordinary circumstances. Remove contaminated clothing and shoes. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs and persists, seek medical attention.
<b>Inhalation:</b>	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Get medical attention.
<b>Ingestion</b>	If swallowed, do not induce vomiting. If victim exhibits signs of lung aspiration such as coughing or choking, seek immediate medical attention.

**Most important symptoms and effects**

**Symptoms:** May cause minor eye irritation. Repeated or prolonged skin contact may cause dermatitis.

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

**Notes to Physician:** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:**

Dry chemical. Foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** None determined.

**Specific Hazards Arising from the Chemical:**

Dense smoke may be generated while burning.

**Hazardous Combustion Products:** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Aldehydes. Ketones. Combustion products of sulfur and nitrogen.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Water may be used to cool containers exposed to heat or flame.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions:** Use personal protective equipment as required.

**Environmental Precautions:** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment:** Remove sources of ignition. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Clean-Up** Take up small spills with absorbent pads. Large spills may be taken up with pump or vacuum.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling:** Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions:** Store at ambient conditions. Store at atmospheric pressure. Keep container closed when not in use. Store in a cool, well-ventilated place. Maximum storage temperature 48.9 °C (120 °F).

**Packaging Materials:** Empty containers may contain residues.

**Incompatible Materials:** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Severely Hydrotreated Heavy Naphthenic Petroleum Oil 64742-52-5	TWA: 5 mg/m <sup>3</sup> (oil mist) STEL: 10 mg/m <sup>3</sup> (oil mist)	TWA: 5 mg/m <sup>3</sup> (oil mist) STEL: none estab.	TWA: none estab. STEL: none estab.
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls:** Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Eyewash stations. Showers

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

**Eye/Face Protection:** Wear safety glasses. Wear chemical goggles or face shield if splash or mist occurs.

**Skin and Body Protection:** Use impervious gloves for prolonged contact. Wear oil-impervious garments if contact is unavoidable.

**Respiratory Protection:** If mist is generated (heating, spraying) and engineering controls are not sufficient, wear approved organic vapor respirator suitable for oil mist.

**General Hygiene Consideration:** Use good hygiene when handling petroleum product. Launder contaminated clothing before reuse. Excessive misting may cause slippery floors – wear appropriate footwear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State:</b>	Liquid	<b>Odor:</b>	Mild petroleum
<b>Appearance:</b>	Clear, amber liquid	<b>Odor Threshold:</b>	Not determined
<b>Color:</b>	Amber		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH:</b>	Not determined	
<b>Melting Point/Freezing Point:</b>	Not determined	
<b>Boiling Point/Boiling Range:</b>	Not determined	

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Flash Point:</b>	148.9 °C / 300 °F	
<b>Evaporation Rate:</b>	Not determined	
<b>Flammability (Solid, Gas):</b>	Liquid-Not applicable	
<b>Upper Flammability Limits:</b>	Not determined	
<b>Lower Flammability Limits:</b>	Not determined	
<b>Vapor Pressure:</b>	Not determined	
<b>Vapor Density:</b>	> 1	(Air=1)
<b>Specific Gravity:</b>	0.88	
<b>Water Solubility:</b>	Insoluble in water	
<b>Solubility in other solvents:</b>	Not determined	
<b>Partition Coefficient:</b>	Not determined	
<b>Auto-ignition Temperature:</b>	Not determined	
<b>Decomposition Temperature:</b>	Not determined	
<b>Kinematic Viscosity:</b>	Not determined	
<b>Dynamic Viscosity:</b>	Not determined	
<b>Explosive Properties:</b>	Not determined	
<b>Oxidizing Properties:</b>	Not determined	

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not reactive under normal conditions.
<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	None under normal processing.
<b>Conditions to avoid:</b>	Heat, flames and sparks. Incompatible Materials.
<b>Incompatible materials:</b>	Strong oxidizing agents.
<b>Hazardous decomposition products:</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Aldehydes. Ketones. Combustion products of sulfur and nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact:</b>	Avoid contact with eyes.
<b>Skin Contact:</b>	Avoid contact with skin.
<b>Inhalation:</b>	Do not inhale.
<b>Ingestion:</b>	Do not ingest.

#### Component Information

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Imidazole 288-32-4	= 220 mg/kg ( Rat )	-	-
Ethyl Alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Ethoxylated Alcohol 66455-14-9	> 10 g/kg ( Rat )	> 2 g/kg ( Rat )	-

### Information on physical, chemical and toxicological effects

**Symptoms:** Please see Section 4 of this SDS for symptoms.

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

**Carcinogenicity:** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 – Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 – Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known – Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**

X – Present

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Severely Hydrotreated Heavy Naphthenic Petroleum Oil 64742-52-5		5000: 96 h Oncorhynchus mykiss mg/L LC50		1000: 48 h Daphnia magna mg/L EC50
Imidazole 288-32-4	130: 72 h Desmodesmus subspicatus mg/L EC50 82: 96 h Desmodesmus Subspicatus mg/L EC50	280: 48 h Leuciscus idus mg/L LC50 static		341.5: 48 h Daphnia magna mg/L EC50
Ethyl Alcohol 64-17-5		12.0 – 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 – 15100: 96 h Pimepphales promelas mg/L LC50 flow-through 100: 96 h Pimepphales promelas mg/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 – 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Imidazole 288-32-4.0	-0.02
Ethyl Alcohol 64-17-5	-0.32

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

**Disposal of Wastes:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging:** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Ethyl Alcohol 64-17-5	Toxic Ignitable

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION****International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Petroleum distillates Hydrotreated heavy paraffinic	Present	X		Present			X	Present	X	X
Severely Hydrotreated Heavy Naphthenic Petroleum Oil	Present	X		Present		Present	X	Present	X	X
Ethyl Alcohol	Present	X		Present		Present	X	Present	X	X

**TSCA** – United States Toxic Substances Control Act Section 9(b) Inventory

**DSL/NDSL** – Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** – Japan Existing and New Chemical Substances

**IECSC** – China Inventory of Existing Chemical Substances

**KECL** – Korean Existing and Evaluated Chemical Substances

**PICCS** – Philippines Inventory of Chemicals and Chemical Substances

**AICS** – Australian Inventory of Chemical Substances

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA)(40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA)(40 CFR 355).

**SARA 311/312 Hazard Categories**

Acute Health Hazard: No  
 Chronic Health Hazard: No  
 Fire Hazard: No  
 Sudden Release of Pressure Hazard: No  
 Reactive Hazard: No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS number%
Ethyl Alcohol – 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethyl Alcohol 64-17-5	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	1	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	1	0	Not determined

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**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**

