

Safety Data Sheet

Issue Date: 7-Sept-2016

Revision Date: N/A

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

Eye Contact:	Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.
Skin:	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.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Get medical attention.
Ingestion	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 (CO₂).

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 (CO₂). 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 ³ (oil mist) STEL: 10 mg/m ³ (oil mist)	TWA: 5 mg/m ³ (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 ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³

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

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

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

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

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

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

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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

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

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 Revision Note: New format

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

