

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

**Product Name** AXAREL™ PD-680-II

**Other means of identification**

**Product Code** AXP680

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

**Recommended Use** Technical cleaning solvent.  
**Uses advised against** FOR INDUSTRIAL USE ONLY

**Details of the supplier of the safety data sheet**

**Supplier Address** Vantage Specialties, Inc.  
 3938 Porett Drive  
 Gurnee, IL 60031 USA  
 +1 847-244-3410

**Emergency Telephone Number**

**Emergency Telephone Number** CHEMTREC International: +1-703-527-3887  
 CHEMTREC US: 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**Classification**

Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Combustible liquid	Category 4

**Label Elements**

### EMERGENCY OVERVIEW

**DANGER**

**Hazard statements**

Combustible liquid  
 May be fatal if swallowed and enters airways  
 May cause drowsiness or dizziness



**Color** Colorless

**Physical State** Liquid

**Odor** Hydrocarbon

**Precautionary Statements - Prevention**

Wear protective gloves/eye protection/face protection  
 Avoid breathing vapors or mists  
 Keep away from flames and hot surfaces. — No smoking.

Use only outdoors or in a well ventilated area

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physican if you feel unwell

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do NOT induce vomiting

IN CASE OF FIRE: Use ABC fire extinguisher, Foam, Carbon dioxide (CO<sub>2</sub>), Water mist for extinction

#### Precautionary Statements - Storage

Keep container tightly closed

Store in a well-ventilated place. Keep cool

#### Precautionary Statements - Disposal

Dispose of contents/container in accordance with applicable regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Petroleum distillates, hydrotreated light	64742-47-8	60 -100

### 4. FIRST AID MEASURES

#### FIRST AID MEASURES

<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Skin contact</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Wash contaminated clothing before re-use.
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** Headache/dizziness. Might be fatal if swallowed and enters airways.

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

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b><u>Suitable extinguishing media</u></b>	Dry chemical. Alcohol resistant foam. Water spray or fog. Carbon dioxide. Class ABC/BC fire extinguisher.
<b><u>Unsuitable extinguishing media</u></b>	Do not use a solid water stream as it may scatter and spread fire.
<b><u>Specific hazards arising from the chemical</u></b>	Combustible material. Runoff to sewer may create fire or explosion hazard. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
<b><u>Hazardous combustion products</u></b>	Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact**

None.

**Sensitivity to Static Discharge**

May be ignited by heat, sparks or flames.

**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.

**6. ACCIDENTAL RELEASE MEASURES**

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

**Personal Precautions**

Wear protective gloves/clothing and eye/face protection. Remove all sources of ignition. Ensure adequate ventilation.

**For emergency responders**

Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions**

Prevent release to surface water.

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

**Methods for Containment**

Dike to collect large liquid spills.

**Methods for Cleaning Up**

Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling**

Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists. Do not ingest. Ensure adequate ventilation. Remove all sources of ignition.

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

**Storage**

Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed.

**Incompatible materials**

Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Measures**

Safety Shower  
Eyewash station  
Ventilation system.

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

**Eye/Face Protection**

Safety glasses with side-shields.

**Skin and Body Protection**

Long sleeved clothing. Wear chemical resistant gloves.

**Respiratory Protection** Use NIOSH/MSHA approved respirator if ventilation is not sufficient to control vapors.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Hydrocarbon
<b>Appearance</b>	Clear transparent	<b>Odor threshold</b>	Not determined
<b>Color</b>	Colorless		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH		No information available	
Melting point / freezing point	-49 °C / -56.2 °F		
Boiling point / boiling range	192 - 205 °C / 377.6 - 401 °F		
Flash Point	67 °C / 152.6 °F	CC (closed cup)	
Evaporation Rate	<1	(BUAC = 1)	
Flammability (solid, gas)		May burn if exposed to flames or sparks.	
Flammability Limit in Air			
Upper flammability limit	6%		
Lower Flammability Limit	0.8%		
Vapor pressure	0.067 kPa	mm Hg	
Vapor Density	> 1	(air = 1)	
Specific Gravity	0.8	@ 25°C	
Water Solubility	Slightly soluble		
Solubility in other solvents		Not determined	
Partition coefficient		Not determined	
Autoignition Temperature	> 220 °C > 428 °F		
Decomposition temperature		Not determined	
Kinematic viscosity		Not determined	
Dynamic viscosity		Not determined	
Explosive Properties	Heating may cause a fire or explosion.		
Oxidizing Properties	None		

### Other Information

## 10. STABILITY AND REACTIVITY

**Reactivity** Not reactive

**Chemical stability** Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

**Hazardous Reactions** None under normal processing.  
**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid** Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials** Strong oxidizing agents.

### Hazardous Decomposition Products

None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

**Product Information** Harmful by inhalation, in contact with skin and if swallowed

<b>Inhalation</b>	May cause drowsiness and dizziness.
<b>Eye contact</b>	No known hazard.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Ingestion</b>	May be fatal if swallowed and enters airways.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light 64742-47-8	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 5.2 mg/L ( Rat ) 4 h

**Information on toxicological effects**

**Symptoms** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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

**Skin corrosion/irritation** Prolonged or repeated contact may cause skin irritation.  
**Serious eye damage/eye irritation** Not a primary irritant.  
**Sensitization** Not a skin sensitizer.  
**Carcinogenicity** Contains no listed human carcinogens at greater than 0.1%.

**Reproductive Toxicity** No known hazard.

**Developmental Toxicity** No known hazard.  
**Teratogenic** No known hazard.  
**STOT - single exposure** Inhalation of vapors may cause dizziness and drowsiness.

**STOT - repeated exposure** No known hazard.  
**Aspiration hazard** May be fatal if swallowed and enters airways.

**Numerical measures of toxicity-Product Information** Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Petroleum distillates, hydrotreated light 64742-47-8		LC50= 45 mg/L Pimephales promelas 96 h LC50= 2.4 mg/L Oncorhynchus mykiss 96 h LC50= 2.2 mg/L Lepomis macrochirus 96 h		EL0: 1000 mg/l

**Persistence and degradability**

No data available.

**Bioaccumulation/Accumulation**

No data available

**Mobility**

No data available.

**Other Adverse Effects** None known

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

<b>Waste Disposal Method</b>	Dispose of in accordance with applicable regulations.
<b>Contaminated Packaging</b>	Dispose of in accordance with applicable regulations.

**14. TRANSPORT INFORMATION**

<b><u>DOT</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG / IMO</u></b>	Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	Complies
<b>EINECS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**Legend**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - 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*

**U.S. Federal Regulations**

**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

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**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)

**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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

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

This product does not contain any substances regulated by state right-to-know regulations

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazard</b> 1	<b>Flammability</b> 2	<b>Instability</b> 0	<b>Physical and Chemical Hazards</b> n/a
<b><u>HMIS</u></b>	<b>Health Hazard</b> 1	<b>Flammability</b> 2	<b>Physical hazards</b> 0	<b>Personal Precautions</b> B

**Prepared by** Regulatory Specialist  
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**Revision Note**  
**Reason for Revision** Periodic review and update

**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**

AXAREL is a trademark of Vantage Specialties, Inc.