

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

### Product identifier

**Product Name** AXAREL™ 4100

### Other means of identification

**Product Code** AX4100

**UN-No** UN3295

**Synonyms**

### 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

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

### Emergency Telephone Number

**Company Phone Number** 847-244-3410

**Emergency Telephone Number** CHEMTREC International: +1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 1
Flammable Liquid	Category 3

### Label Elements

### EMERGENCY OVERVIEW

#### DANGER

#### **Hazard statements**

Causes serious eye irritation

May cause drowsiness or dizziness

May be fatal if swallowed and enters airways

Flammable liquid and vapor



**Color** Colorless

**Physical State** Liquid

**Odor** Hydrocarbon

### Precautionary Statements - Prevention

Keep away from flames and hot surfaces. — No smoking.  
Take precautionary measures against static discharge  
Wear eye/face protection  
Avoid breathing vapors or mists  
Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**

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

**Precautionary Statements - Storage**

Keep container tightly closed  
Store locked up

**Precautionary Statements - Disposal**

Dispose of as hazardous waste in compliance with applicable regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Synonyms**

Chemical Name	CAS No.	Weight-%
Naphtha (petroleum), hydrotreated heavy	64742-48-9	60 - 100
2-Propanol, 1-propoxy-	1569-01-3	10 - 30

**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. If eye irritation persists, consult a physician.
<b>Skin contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
<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.

**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, Water spray, Class ABC/BC Fire extinguisher, Carbon Dioxide.

**Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

<b><u>Specific hazards arising from the chemical</u></b>	Discarded towels or wipes soaked with solvent may smolder if not properly contained.
<b>Hazardous combustion products</b>	Carbon oxides.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	May be ignited by heat, sparks or flames.
<b><u>Protective equipment and precautions for firefighters</u></b>	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** Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation.

### **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. Éviter le rejet dans l'environnement.

**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. Do not breathe mist/vapors/spray. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation. Take precautionary measures against static discharges.

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

**Storage** Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Control parameters**

**Exposure Guidelines** Manufacturer recommended exposure limit (8-hour TWA) for CAS 64742-48-9: 171 ppm, 1200 mg/m<sup>3</sup>.

### **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**

Protective gloves.

**Respiratory Protection**

In case of inadequate ventilation wear respiratory protection.

**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	<b>Odor threshold</b>	Not determined
<b>Color</b>	Colorless		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
pH		Not Applicable	
Melting point / freezing point		Not determined	
Boiling point / boiling range	>150 °C		
Flash Point	47 °C	CC (closed cup)	
Evaporation Rate	<1	(BUAC = 1)	
Flammability (solid, gas)		Flammable liquid and vapor	
Flammability Limit in Air		Not determined	
Upper flammability limit			
Lower Flammability Limit			
Vapor pressure	2 mmHg	@ 20 °C	
Vapor Density	>1	(air = 1)	
Specific Gravity	0.76	@ 25°C	
Water Solubility	Partially soluble		
Solubility in other solvents		Not determined	
Partition coefficient		Not determined	
Autoignition Temperature		Not determined	
Decomposition temperature		Not determined	
Kinematic viscosity		Not determined	
Dynamic viscosity		Not determined	
Explosive Properties	None		
Oxidizing Properties	None		

**Other Information**

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive
<b>Remarks</b>	
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	
Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Extremes of temperature and direct sunlight
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	
None identified.	

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	May cause drowsiness and dizziness.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Prolonged skin contact may defat the skin and produce dermatitis.
<b>Ingestion</b>	May be fatal if swallowed and enters airways.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha (petroleum), hydrotreated heavy 64742-48-9	> 6000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	> 8500 mg/m <sup>3</sup> ( Rat ) 4 h
2-Propanol, 1-propoxy- 1569-01-3	= 2490 mg/kg ( Rat ) = 2504 mg/kg ( Rat )	= 3550 mg/kg ( Rabbit )	-

### Information on toxicological effects

**Symptoms** No information available.

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

**Serious eye damage/eye irritation** Irritating to eyes.  
**Sensitization** No data available.  
**Mutagenic Effects** No known hazard.  
**Carcinogenicity** Contains no listed human carcinogens at greater than 0.1%.

**Reproductive Toxicity** 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)
Naphtha (petroleum), hydrotreated heavy 64742-48-9		LC50= 2200 mg/L Pimephales promelas 96 h		LC50: >1000 mg/l

**Persistence and degradability**  
 Not expected to be persistent in the aquatic environment.

**Bioaccumulation/Accumulation**  
 No data available

### Other Adverse Effects

## 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.
<b>US EPA Waste Number</b>	D001

## 14. TRANSPORT INFORMATION

### DOT

<b>UN-No</b>	UN3295
<b>Proper Shipping Name</b>	Hydrocarbons, Liquid, N.O.S.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

### TDG

<b>UN-No</b>	UN3295
<b>Proper Shipping Name</b>	Hydrocarbons, Liquid, N.O.S.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

### IATA

<b>UN-No</b>	UN3295
<b>Proper Shipping Name</b>	Hydrocarbons, Liquid, N.O.S.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

### IMDG / IMO

<b>UN-No</b>	UN3295
<b>Proper Shipping Name</b>	Hydrocarbons, Liquid, N.O.S.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

### ADR

<b>UN-No</b>	UN3295
<b>Proper Shipping Name</b>	Hydrocarbons, Liquid, N.O.S.
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

## 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

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	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

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

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

## 16. OTHER INFORMATION

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

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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.