

## 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

CHEMTREC USA: 1-800-424-9300

## 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 and vapor	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 heat/sparks/open flames/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 %
Isoparaffinic Hydrocarbon	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 specialist.
<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

<b><u>Suitable extinguishing media</u></b>	Dry Chemical, Foam, Water spray, Class ABC/BC Fire extinguisher, Carbon Dioxide.
<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>	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. Avoid release to the environment.

**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 vapors or spray mist. Avoid contact with skin, eyes, 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.

<b>Skin and Body Protection</b>	Protective gloves.
<b>Respiratory Protection</b>	In case of inadequate ventilation wear respiratory protection.
<b>Hygiene Measures</b>	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>	
<b>pH</b>		Not Applicable	
<b>Melting point/freezing point</b>		Not determined	
<b>Boiling point/boiling range</b>	>150 °C		
<b>Flash Point</b>	47 °C	Closed cup	
<b>Evaporation Rate</b>	<1	(BUAC = 1)	
<b>Flammability (solid, gas)</b>		Flammable liquid and vapor	
<b>Flammability Limits in Air</b>		Not determined	
<b>Upper flammability limits</b>			
<b>Lower Flammability Limit</b>			
<b>Vapor pressure</b>	2 mmHg	@ 20 °C	
<b>Vapor Density</b>	>1	(air = 1)	
<b>Specific Gravity</b>	0.76	@ 25°C	
<b>Water Solubility</b>	Partially soluble		
<b>Solubility in other solvents</b>		Not determined	
<b>Partition coefficient</b>		Not determined	
<b>Autoignition 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>	None		
<b>Oxidizing Properties</b>	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>	
<b>Hazardous Reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	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
Isoparaffinic Hydrocarbon 64742-48-9	> 5000 mg/kg ( Rat )	> 3160 mg/kg ( Rabbit )	-
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)
Isoparaffinic Hydrocarbon 64742-48-9		LC50= 2200 mg/L Pimephales promelas 96 h		

**Persistence and degradability**

Not expected to be persistent in the aquatic environment.

**Bioaccumulation/Accumulation**

No data available

**Other Adverse Effects** None identified

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Method** Dispose of in accordance with applicable regulations.

**Contaminated Packaging** Dispose of in accordance with applicable regulations.

US EPA Waste Number D001

## 14. TRANSPORT INFORMATION

### DOT

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

### TDG

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

### IATA

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

### IMDG / IMO

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

### ADR

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

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL	Complies
EINECS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

### Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

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

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU 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>	Yes
<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**

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

<b>Prepared by</b>	Product Steward
<b>Issuing Date</b>	12-Aug-2015
<b>Revision Date</b>	12-Aug-2015
<b>Revision Note</b>	
<b>Reason for Revision</b>	Update to supplier identity/logo

**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 MSDS**

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