

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

Product identifier

Product Name AXAREL™ 2200

Other means of identification

Product Code AX2200

UN-No UN3295

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

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	Category 3

Label Elements

EMERGENCY OVERVIEW

DANGER

Hazard statements

May be fatal if swallowed and enters airways

May cause drowsiness or dizziness

Causes eye irritation

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 protective gloves/protective clothing/eye protection/face protection
 Avoid breathing vapors or mists
 Use only outdoors or in a well ventilated area

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 ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 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
 Do NOT induce vomiting
 IN CASE OF FIRE: Use CO2, dry chemical, ABC fire extinguisher, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

4. FIRST AID MEASURES

FIRST AID MEASURES

Eye contact 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.

Skin contact IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

Ingestion IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

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 Carbon dioxide, Class ABC/BC fire extinguisher, Foam, Water spray or fog.

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

Hazardous combustion products	Carbon oxides.
<u>Explosion Data</u>	
Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	May be ignited by heat, sparks or flames.
<u>Protective equipment and precautions for firefighters</u>	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 Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions

Environmental precautions Avoid release to the environment.

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. 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 containers tightly closed in a dry, cool and well-ventilated place.

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/m³.

Appropriate engineering controls

Engineering Measures Eyewash stations. Showers. Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Goggles.

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

Physical State	Liquid	Odor	Hydrocarbon
Appearance	Clear	Odor threshold	No information available
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		Not Applicable
Melting point / freezing point		Not determined
Boiling point / boiling range	>150 °C / >300 °F	
Flash Point	44 °C / 111 °F	CC (closed cup)
Evaporation Rate	< 1	(BUAC = 1)
Flammability (solid, gas)		Flammable liquid and vapor
Flammability Limit in Air		
Upper flammability limit	5.4	
Lower Flammability Limit	0.7	
Vapor pressure	3.5	mm Hg
Vapor Density	> 1	(air = 1)
Specific Gravity	0.82	@ 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	1.9 cps @ 25°C	
Dynamic viscosity		
Explosive Properties	None	
Oxidizing Properties	None	

Other Information

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	May cause drowsiness and dizziness.
-------------------	-------------------------------------

Eye contact Irritating to eyes.

Skin contact Prolonged or repeated contact may dry skin and cause irritation.

Ingestion May be fatal if swallowed and enters airways.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-Propanol, 1-propoxy-1569-01-3	= 2490 mg/kg (Rat) = 2504 mg/kg (Rat)	= 3550 mg/kg (Rabbit)	.
Naphtha (petroleum), hydrotreated heavy 64742-48-9	> 5000 mg/kg (Rat)	> 3160 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 known hazard.
Mutagenic Effects No known hazard.
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.

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

No data available.

Bioaccumulation/Accumulation

No data available

Mobility

No data available.

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	Exempt from regulation by US DOT when shipped solely by land in the USA in containers less than 119 gallons, refer to 49 CFR 173.150(f).
UN-No	UN3295
Proper Shipping Name	Hydrocarbons, Liquid, N.O.S.
Hazard Class	3
Packing Group	III
TDG	
UN-No	3295
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
Marine Pollutant	No

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/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

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

Prepared by	Product Steward
Issuing Date	01-Sep-2017
Revision Date	01-Sep-2017
Revision Note	
Reason for Revision	Update to section 14

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.