

SECTION 1: Identification

1.1. GHS product identifier

Product form : Mixture
Product name : Axarel™ 2200
Product code : AX2200
Product group : Trade product

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Technical cleaning solvent

1.4. Supplier's details

Vantage Specialties, Inc.
3938 Porett Drive
60031 Gurnee – IL
USA
T +1 847-244-3410

1.5. Emergency phone number

Emergency number : For Chemical Emergency Call CHEMTREC 24hr/day 7days/week
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: 1-703-527-3887
(collect calls accepted)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Flammable liquids Category 3 H226
Serious eye damage/eye irritation, Category 2 H319
Aspiration hazard Category 1 H304
Hazardous to the aquatic environment — Acute Hazard Category 2 H401
Hazardous to the aquatic environment - Chronic Hazard Category 2 H411

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects : Flammable liquid and vapor, Causes serious eye irritation, May be fatal if swallowed and enters airways, Toxic to aquatic life, Toxic to aquatic life with long lasting effects

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) :



Signal word (GHS UN) :

Danger

Hazardous ingredients :

Naphtha (petroleum), hydrotreated heavy

Hazard statements (GHS UN) :

H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS UN) :

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.

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P233 - Keep container tightly closed.
P240 - Ground and bond container and receiving equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P273 - Avoid release to the environment.
P280 - Wear eye protection, protective gloves.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 - Do NOT induce vomiting.
P370+P378 - In case of fire: Use foam, extinguishing powder, sand to extinguish.
P391 - Collect spillage.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Naphtha (petroleum), hydrotreated heavy	CAS-No.: 64742-48-9	50 – 75	Flammable liquids Category 3, H226 Aspiration hazard Category 1, H304 Hazardous to the aquatic environment — Acute Hazard Category 2, H401 Hazardous to the aquatic environment - Chronic Hazard Category 2, H411
2-Propanol, 1-propoxy-	CAS-No.: 1569-01-3	30 – 60	Flammable liquids Category 3, H226 Acute toxicity (oral) Category 5, H303 Acute toxicity (dermal), Category 5, H313 Serious eye damage/eye irritation, Category 2, H319 Hazardous to the aquatic environment - Acute Hazard Not classified

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Call a physician immediately.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

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First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Use extinguishing agent suitable for surrounding fire.
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5.2. Specific hazards arising from the chemical

Fire hazard	: Flammable liquid and vapor.
Hazardous decomposition products in case of fire	: Carbon dioxide. Carbon monoxide.

5.3. Special protective actions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.
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6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

For containment	: Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Incompatible materials	: Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

EU - Indicative Occupational Exposure Limit (IOEL)

Local name	White spirit Type 3
IOEL TWA [ppm]	20 ppm
IOEL STEL	290 mg/m ³
IOEL STEL [ppm]	50 ppm
Remark	Skin. (Year of adoption 2007)
Regulatory reference	SCOEL Recommendations

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection	: Protective gloves
Eye protection	: Safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment
Personal protective equipment symbol(s)	



8.4. Exposure limit values of other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless.
Odor	: characteristic.
Odor threshold	: Not available
Melting point	: Not applicable
Freezing point	: Not available
Boiling point	: > 150 °C
Flammability	: Not available
Lower explosion limit	: 0.7 vol %
Upper explosion limit	: 5.4 vol %
Flash point	: 44 °C (Closed cup)
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available

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pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: 1.9 mm²/s
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapor pressure	: 3.5 mm Hg
Vapor pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 0.82 @ 25°C
Relative vapor density at 20 °C	: > 1 (air = 1)
Solubility	: Partially soluble.
Viscosity, dynamic	: 1.9 cP @ 25°C
Particle size	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

Explosive properties	: None reported.
Oxidizing properties	: None reported.

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

2-Propanol, 1-propoxy- (1569-01-3)

LD50 oral rat	2490 mg/kg
LD50 dermal rabbit	3550 mg/kg

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

LD50 oral rat	> 6000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	> 8500 mg/m³ (Exposure time: 4 h)

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified

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Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

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Viscosity, kinematic	1.9 mm²/s
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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Toxic to aquatic life.
Classification procedure (Hazardous to the aquatic environment, short-term (acute))	: Calculation method
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.
Classification procedure (Hazardous to the aquatic environment, long-term (chronic))	: Calculation method

2-Propanol, 1-propoxy- (1569-01-3)

LC50 - Fish [1]	> 100 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 72h - Algae [1]	3440 mg/l (EPA OTS 797.1050, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
EC50 96h - Algae [1]	1466 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

LC50 - Fish [1]	2200 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 - Other aquatic organisms [1]	2.6 mg/l Source: IUCLID

12.2. Persistence and degradability

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Persistence and degradability	No additional information available
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2-Propanol, 1-propoxy- (1569-01-3)

Persistence and degradability	Readily biodegradable in water.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No additional information available
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2-Propanol, 1-propoxy- (1569-01-3)

BCF - Other aquatic organisms [1]	3.16 l/kg (Literature study, Fresh weight)
Partition coefficient n-octanol/water (Log Kow)	0.621 (Calculated, EPIWIN, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Partition coefficient n-octanol/water (Log Kow)	2.1 – 6 Source: IUCLID
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12.4. Mobility in soil

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Mobility in soil	No additional information available
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2-Propanol, 1-propoxy- (1569-01-3)

Mobility in soil	3
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.376 – 0.694 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available




SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information	: Flammable vapors may accumulate in the container.

SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
14.1. UN number		
3295	3295	3295
14.2. UN proper shipping name		
HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated heavy)	HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated heavy)	Hydrocarbons, liquid, n.o.s. (Naphtha (petroleum), hydrotreated heavy)
14.3. Transport hazard class(es)		
3	3	3
		
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		

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14.6. Special precautions for user

UN RTDG

Special provision (UN RTDG)	: 223
Limited quantities (UN RTDG)	: 5L
Excepted quantities (UN RTDG)	: E1
Packing instruction (UN RTDG)	: P001, IBC03, LP01
Portable tank and bulk container special instructions (UN RTDG)	: T4
Portable tank and bulk container special provisions (UN RTDG)	: TP1, TP29

IMDG

Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP8, TP28
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Stowage category (IMDG)	: B
Properties and observations (IMDG)	: Immiscible with water.

IATA

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 366
CAO max net quantity (IATA)	: 220L
Special provision (IATA)	: A3, A324
ERG code (IATA)	: 3L

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

SECTION 16: Other information

Issue date	: 22/03/2022
Revision date	: 22/03/2022
Supersedes	: 22/03/2022

Full text of H-phrases:

H226	Flammable liquid and vapor
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways
H313	May be harmful in contact with skin
H319	Causes serious eye irritation

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Full text of H-phrases:

H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), UN

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