

## SECTION 1: Identification

### 1.1. Identification

Product form : Substance  
Substance name : Axarel™ 1000  
Product code : AX1000

### 1.2. Recommended use and restrictions on use

Recommended use : Technical cleaning solvent  
Restrictions on use : Product for industrial use only

### 1.3. Supplier

Vantage Specialties, Inc.  
3938 Porett Drive  
Gurnee, IL 60031  
USA  
T +1 847-244-3410  
[msds.pm.us@vantagegrp.com](mailto:msds.pm.us@vantagegrp.com)

### 1.4. Emergency telephone 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(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

|  |      |  |
|--|------|--|
| Flammable liquids Category 3               | H226 | Flammable liquid and vapor                   |
| Aspiration hazard Category 1               | H304 | May be fatal if swallowed and enters airways |
| Full text of H statements : see section 16 |      |  |

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H226 - Flammable liquid and vapor  
H304 - May be fatal if swallowed and enters airways

Precautionary statements (GHS US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground/Bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P242 - Use only non-sparking tools.  
P243 - Take precautionary measures against static discharge.

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### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Name : Axarel™ 1000

| Name                                    | Product identifier  | %   | GHS US classification                   |
|---|---------------------|-----|---|
| Naphtha (petroleum), hydrotreated heavy | CAS-No.: 64742-48-9 | 100 | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304 |

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of 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.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after ingestion : Risk of lung edema.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

### 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 equipment and precautions 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.

##### 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".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

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.

#### 6.4. Reference to other sections

For further information refer to section 13.

### 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.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 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

##### Axarel™ 1000

No additional information available

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

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

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### 8.3. Individual protection measures/Personal protective equipment

#### 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):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Appearance                                      | : clear.   |
| Color   | : Colorless  |
| Odor  | : Hydrocarbon-like   |
| Odor threshold                                  | : No data available  |
| pH  | : No data available  |
| Melting point                                   | : Not applicable   |
| Freezing point                                  | : No data available  |
| Boiling point                                   | : 179 – 188 °C (ASTM D86)                                  |
| Flash point                                     | : 54 °C (ASTM D-56)  |
| Relative evaporation rate (butyl acetate=1)     | : No data available  |
| Flammability                                    | : No data available  |
| Vapor pressure                                  | : 0.8 mm Hg  |
| Relative vapor density at 20°C                  | : ≥ 1 (air = 1)  |
| Relative density                                | : 0.76 @ 25°C  |
| Solubility                                      | : insoluble in water.                                      |
| Partition coefficient n-octanol/water (Log Pow) | : No data available  |
| Auto-ignition temperature                       | : No data available  |
| Decomposition temperature                       | : No data available  |
| Viscosity, kinematic                            | : 1.4 mm²/s @ 40°C   |
| Viscosity, dynamic                              | : No data available  |
| Explosion limits                                | : Lower explosion limit: 0.7<br>Upper explosion limit: 5.4 |
| Explosive properties                            | : None reported.   |
| Oxidizing properties                            | : None reported.   |

### 9.2. Other information

No additional information available

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### 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

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

|                       |   |
|-----------------------|---|
| LD50 oral rat         | > 6000 mg/kg                                  |
| LD50 dermal rabbit    | > 5000 mg/kg                                  |
| LC50 Inhalation - Rat | > 8500 mg/m <sup>3</sup> (Exposure time: 4 h) |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : Not classified  
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.  
Viscosity, kinematic : 1.4 mm<sup>2</sup>/s @ 40°C  
Symptoms/effects after ingestion : Risk of lung edema.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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| Axarel™ 1000   |  |
|--|--|
| LC50 - Fish [1]                                      | > 1000 mg/l Pimephales promelas                                |
| EC50 - Crustacea [1]                                 | > 1000 mg/l Daphnia Magna                                      |
| 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

No additional information available

### 12.3. Bioaccumulative potential

| Naphtha (petroleum), hydrotreated heavy (64742-48-9) |                        |
|--|------------------------|
| Partition coefficient n-octanol/water (Log Pow)      | 2.1 – 6 Source: IUCLID |

### 12.4. Mobility in soil

No additional information available

### 12.5. 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 DOT / TDG / IMDG / IATA

| DOT   | TDG   | IMDG   | IATA   |
|---|---|--|--|
| 14.1. UN number                                 |   |  |  |
| 1268  | UN1268  | 1268   | 1268   |
| 14.2. Proper Shipping Name                      |   |  |  |
| Petroleum distillates, n.o.s.                   | PETROLEUM DISTILLATES,<br>N.O.S.                | PETROLEUM DISTILLATES,<br>N.O.S.                 | Petroleum distillates, n.o.s.                    |
| Transport document description                  |   |  |  |
| UN1268 Petroleum distillates, n.o.s.,<br>3, III | UN1268 PETROLEUM<br>DISTILLATES, N.O.S., 3, III | UN 1268 PETROLEUM<br>DISTILLATES, N.O.S., 3, III | UN 1268 Petroleum distillates,<br>n.o.s., 3, III |
| 14.3. Transport hazard class(es)                |   |  |  |
| 3   | 3   | 3  | 3  |

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| DOT                                    | TDG                               | IMDG  | IATA                              |
|--|-----------------------------------|---|-----------------------------------|
|  |                                   |   |                                   |
| <b>14.4. Packing group</b>             |                                   |   |                                   |
| III                                    | III                               | III   | III                               |
| <b>14.5. Environmental hazards</b>     |                                   |   |                                   |
| Dangerous for the environment: No      | Dangerous for the environment: No | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No |
| No supplementary information available |                                   |   |                                   |

### 14.6. Special precautions for user

#### DOT

Transport regulations (DOT) : Exempt from regulation by US DOT when shipped in the USA solely by land in containers less than 119 gallons, refer to 49 CFR 173.150(f).  
UN-No.(DOT) : UN1268

#### TDG

Transport regulations (TDG) : Exempt from regulation by Canadian Dangerous Goods Transportation when shipped by land in containers less than 450 Liters. Refer to TDG Part 1, Section 1.33 (Class 3, Flammable Liquids: General Exemption).  
UN-No. (TDG) : UN1268  
Emergency Response Guide (ERG) Number : 128

#### IMDG

Special provision (IMDG) : 223, 955  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP1, TP29  
EmS-No. (Fire) : F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS  
EmS-No. (Spillage) : S-E - SPILLAGE SCHEDULE Echo - FLAMMABLE LIQUIDS, FLOATING ON WATER  
Stowage category (IMDG) : A  
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  
ERG code (IATA) : 3L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

#### 15.2. International regulations

No additional information available

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

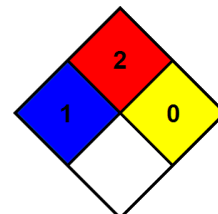
### SECTION 16: Other information

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#### Full text of H-phrases

|      |  |
|------|--|
| H226 | Flammable liquid and vapor                   |
| H304 | May be fatal if swallowed and enters airways |

- NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
- NFPA fire hazard : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.
- NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



- Hazard Rating
- Health : 1 Slight Hazard - Irritation or minor reversible injury possible
- Flammability : 2 Moderate Hazard - Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)
- Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
- Personal protection : B - Safety glasses, Gloves

Vantage - Safety Data Sheet (SDS), USA

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