

**SAFETY DATA SHEET****AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK**

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

**1. Identification****Product identifier**

**Product name** AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK

**Product number** MCC-AXLL, MCC-AXLG, MCC-AXLP, MCC-AXLD, MCC-AXLGL, MCC-AXLGG

**Recommended use of the chemical and restrictions on use**

**Application** Cleaning agent.

**Uses advised against** No specific uses advised against are identified.

**Details of the supplier of the safety data sheet**

**Supplier** MICROCARE CORPORATION

**Manufacturer** MICROCARE CORPORATION  
595 John Downey Drive  
New Britain, CT 06051  
United States of America  
CAGE: OATV9  
Tel: + 1 800 638 0125, +1 860-827-0626  
Fax: +1 860-893-1930  
techsupport@microcare.com

**Emergency telephone number**

**Emergency telephone** CHEMTREC 1-800-424-9300 (within the U.S.)  
+1 703-741-5970 (from anywhere in the world)

**2. Hazard(s) identification****Classification of the substance or mixture**

**OSHA Regulatory Status** This Product is Hazardous under the OSHA Hazard Communication Standard.

**Physical hazards** Flam. Liq. 3 - H226

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Asp. Tox. 1 - H304

**Environmental hazards** Not Classified

**Physicochemical** Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along the floor and accumulate in the bottom of containers.

**Label elements****Pictogram****Signal word**

Danger

## AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK

<b>Hazard statements</b>	H226 Flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H304 May be fatal if swallowed and enters airways.
<b>Precautionary statements</b>	P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground/ bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting. P302+P352 If on skin: Wash with plenty of water. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314 Get medical advice/ attention if you feel unwell. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P363 Wash contaminated clothing before reuse. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	Safety data sheet available on request. For use in industrial installations only.
<b>Contains</b>	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN

### Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

<b>NAPHTHA (PETROLEUM), HYDROTREATED HEAVY;            LOW BOILING POINT HYDROGEN</b> CAS number: 64742-48-9	<b>30-60%</b>
<b>Classification</b> Flam. Liq. 3 - H226 Asp. Tox. 1 - H304	
<b>1-propoxypropan-2-ol</b> CAS number: 1569-01-3	<b>30-60%</b>
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319	

The full text for all hazard statements is displayed in Section 16.

## AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK

**Composition comments** TSCA: The ingredients of this product are on the TSCA Inventory. The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of CFR 1900.1200

### Composition

#### 4. First-aid measures

##### Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately.
<b>Skin Contact</b>	Rinse with water.
<b>Eye contact</b>	Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

##### Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
<b>Skin contact</b>	Redness. Irritating to skin.
<b>Eye contact</b>	Irritating to eyes.

##### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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#### 5. Fire-fighting measures

##### Extinguishing media

<b>Suitable extinguishing media</b>	The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

##### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapors may be ignited by a spark, a hot surface or an ember. Vapors may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

##### Advice for firefighters

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<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated.
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#### Environmental precautions

<b>Environmental precautions</b>	Avoid discharge into drains or watercourses or onto the ground.
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#### Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.
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<b>Reference to other sections</b>	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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### 7. Handling and storage

#### Precautions for safe handling

<b>Usage precautions</b>	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
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<b>Advice on general occupational hygiene</b>	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.
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#### Conditions for safe storage, including any incompatibilities

## AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK

<b>Storage precautions</b>	Store away from incompatible materials (see Section 10). Keep away from oxidizing materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.
<b>Storage class</b>	Flammable liquid storage.
<b>Specific end uses(s)</b>	
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.
<b>Reference to other sections.</b>	Store away from incompatible materials (see Section 10).

### 8. Exposure controls/Personal protection

#### Control parameters

#### Occupational exposure limits

#### NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN

Long-term exposure limit (8-hour TWA): OSHA 400 mg/m<sup>3</sup> 100 ppm

OSHA = Occupational Safety and Health Administration.

#### Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

#### Eye/face protection

Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

#### Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

#### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

#### Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

#### Respiratory protection

Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.

#### Environmental exposure controls

Keep container tightly sealed when not in use.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

**Appearance** Liquid.

## AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK

<b>Color</b>	Clear liquid. Colorless.
<b>Odor</b>	Hydrocarbons.
<b>Odor threshold</b>	No information available.
<b>pH</b>	Not applicable.
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	149 - 193°C/300 - 380°F @ 101.3 kPa
<b>Flash point</b>	44°C/111°F Tag closed cup.
<b>Evaporation rate</b>	No information available.
<b>Evaporation factor</b>	No information available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Upper flammable/explosive limit: 12.7 %(V) Lower flammable/explosive limit: 2.0 %(V)
<b>Vapor pressure</b>	0.27 kPa @ 20°C
<b>Vapor density</b>	5.0
<b>Relative density</b>	0.82 @ 25°C
<b>Bulk density</b>	No information available.
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Global Warming Potential (GWP)</b>	
<b>Refractive index</b>	No information available.
<b>Particle size</b>	Not applicable.
<b>Molecular weight</b>	Not applicable.
<b>Volatility</b>	100%
<b>Saturation concentration</b>	No information available.
<b>Critical temperature</b>	No information available.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 785 g/litre.

### 10. Stability and reactivity

<b>Reactivity</b>	See the other subsections of this section for further details.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	The following materials may react strongly with the product: Oxidizing agents.

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<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented.
<b>Materials to avoid</b>	Oxidizing materials. Acids - oxidizing.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Skin corrosion/irritation

**Animal data** Irritating.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

##### Respiratory sensitization

**Respiratory sensitization** Based on available data the classification criteria are not met.

##### Skin sensitization

**Skin sensitization** Based on available data the classification criteria are not met.

##### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

##### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

##### IARC carcinogenicity

None of the ingredients are listed or exempt.

##### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development**

Based on available data the classification criteria are not met.

##### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

##### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

##### Aspiration hazard

**Aspiration hazard** Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

## AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
<b>Skin Contact</b>	Redness. Irritating to skin.
<b>Eye contact</b>	Irritating to eyes.
<b>Route of exposure</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target Organs</b>	No specific target organs known.
<b>Medical Symptoms</b>	Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting. Skin irritation. Headache. Dizziness.
<b>Medical considerations</b>	Skin disorders and allergies.

### Toxicological information on ingredients.

#### NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> 5,000.0  
mg/kg)

Species Rat

ATE oral (mg/kg) 5,000.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> 5,000.0  
mg/kg)

Species Rabbit

ATE dermal (mg/kg) 5,000.0

##### Acute toxicity - inhalation

Acute toxicity inhalation 5,000.0  
(LC<sub>50</sub> vapours mg/l)

Species Rat

ATE inhalation (vapours 5,000.0  
mg/l)

### 12. Ecological information

<b>Ecotoxicity</b>	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.
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### Ecological information on ingredients.

#### NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN

<b>Ecotoxicity</b>	The product is not expected to be toxic to aquatic organisms.
<b>Toxicity</b>	Based on available data the classification criteria are not met.



## AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK

### Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

### Ecological information on ingredients.

#### NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN

**Phototransformation** No significant reaction in water.

**Stability (hydrolysis)** No significant reaction in water.

**Biodegradation** Inherently biodegradable.

### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

### Ecological information on ingredients.

#### NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN

**Partition coefficient** No information available.

### Mobility in soil

**Mobility** No data available.

### Ecological information on ingredients.

#### NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN

**Mobility** Not applicable.

### Other adverse effects

**Other adverse effects** None known.

## 13. Disposal considerations

### Waste treatment methods

**General information** The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

## 14. Transport information

**General** Requirements for marking and labeling of package varies depending on mode of transport. If uncertain of proper markings and labeling, call MicroCare for assistance.

**Road transport notes** Exception Applies: LIQUID CLEANING COMPOUND N.O.S. NOT D.O.T REGULATED PER 49 CFR 173.150 (f)

**AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK****UN Number****UN No. (IMDG)** 1993**UN No. (ICAO)** 1993**UN proper shipping name****Proper shipping name (TDG)** LIQUID CLEANING COMPOUND N.O.S NOT D.O.T REGULATED PER 49 CFR 173.150 (f)**Proper shipping name (IMDG)** UN1993, Flammable Liquid, N.O.S (1-propoxy-2propanol and mixed aliphatic hydrocarbons), 3, III**Proper shipping name (ICAO)** UN1993, Flammable Liquid N.O.S. (1-propoxy-2-propanol and mixed aliphatic hydrocarbons), 3, III**Proper shipping name (DOT)** LIQUID CLEANING COMPOUND N.O.S NOT D.O.T REGULATED PER 49 CFR 173.150 (f)**Transport hazard class(es)****ICAO class/division** 3 Flammable Liquid**Packing group****ICAO packing group** III**15. Regulatory information****Guidance** Workplace Exposure Limits EH40.  
Introduction to Local Exhaust Ventilation HS(G)37.**US Federal Regulations****SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None of the ingredients are listed or exempt.

**CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

None of the ingredients are listed or exempt.

**SARA Extremely Hazardous Substances EPCRA Reportable Quantities**

None of the ingredients are listed or exempt.

**SARA 313 Emission Reporting**

None of the ingredients are listed or exempt.

**CAA Accidental Release Prevention**

None of the ingredients are listed or exempt.

**FDA - Essential Chemical**

None of the ingredients are listed or exempt.

**FDA - Precursor Chemical**

None of the ingredients are listed or exempt.

**SARA (311/312) Hazard Categories**

The following ingredients are listed or exempt:

*NAPHTHA (PETROLEUM), HYDROTREATED HEAVY; LOW BOILING POINT HYDROGEN*Fire  
Immediate Health  
Delayed Health

## AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK

### OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

#### California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

#### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

#### California Directors List of Hazardous Substances

None of the ingredients are listed or exempt.

#### Massachusetts "Right To Know" List

None of the ingredients are listed or exempt.

#### Rhode Island "Right To Know" List

None of the ingredients are listed or exempt.

#### Minnesota "Right To Know" List

None of the ingredients are listed or exempt.

#### New Jersey "Right To Know" List

None of the ingredients are listed or exempt.

#### Pennsylvania "Right To Know" List

None of the ingredients are listed or exempt.

### Inventories

#### US - TSCA

Present.

*1-propoxypropan-2-ol*

Present.

#### US - TSCA 12(b) Export Notification

Not listed.

### 16. Other information

#### Classification abbreviations and acronyms

Flam. Liq. = Flammable liquid  
Asp. Tox. = Aspiration hazard  
Eye Irrit. = Eye irritation  
Skin Irrit. = Skin irritation

#### Training advice

Only trained personnel should use this material.

#### Revision date

6/11/2019

#### Revision

31

#### Supersedes date

12/27/2018

#### SDS No.

BULK - AXL

#### SDS status

Approved.

## AXL - GENERAL PURPOSE DEGREASER AXAREL 2200, BULK

**Hazard statements in full**

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.