



# SAFETY DATA SHEET

Issue Date 12-Feb-2019

Revision Date 12-Feb-2019

Version 1

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

**Product identifier**

**Product Name** PAG-GEAR FOOD GRADE -220

**Other means of identification**

**Product code:**

**Synonyms** None

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

**Recommended Use** Lubricant.

**Uses advised against** No information available

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

**Supplier Address**

Pan American Equipment, LLC  
2419 South 153rd Street  
Omaha, Nebraska 68144  
Phone: 402-502-1229  
Fax: 402-972-7607

**Emergency telephone number**

**Emergency Telephone**

## 2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Label elements**

### EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** Oil

**Physical state** Liquid

**Odor** Mild

**Hazards not otherwise classified (HNOC)**

**Other information**

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Components	CAS-No	Weight %	Trade Secret
Polyalkylene Glycol	Proprietary	80 - 100%	*

#### 4. FIRST AID MEASURES

##### First aid measures

<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin contact:</b>	Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.
<b>Ingestion:</b>	Drink plenty of water. Do not induce vomiting without medical advice. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

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

**Symptoms** No information available.

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

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media:

Water. Dry chemical. Carbon dioxide (CO<sub>2</sub>). Foam.

Unsuitable extinguishing media No information available.

##### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire, cool tanks with water spray.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Special protective equipment for firefighters:

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:** Contaminated surfaces will be extremely slippery. Use personal protective equipment.

##### Environmental precautions

**Environmental precautions:** Do not flush into surface water or sanitary sewer system.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

#### 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Avoid formation of respirable particles. Do not breathe vapors or spray mist. Spilling onto the container's outside will make container slippery.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers dry and tightly closed to avoid moisture absorption and contamination

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** Contains mineral oil, vegetable oil, and/or synthetic oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg/m<sup>3</sup>, ACGIH STEL of 10 mg/m<sup>3</sup>.

**Appropriate engineering controls**

**Engineering measures to reduce exposure:** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Respiratory protection:** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hand protection:** Nitrile rubber

**Eye protection:** Safety glasses

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect

**General Hygiene Considerations** Avoid contact with skin, eyes and clothing

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b> Liquid			
<b>Appearance</b> Oil	<b>Odor</b> Mild	<b>Color</b> Clear	<b>Odor threshold</b> No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>		
<b>Melting point/freezing point</b>	No information available		<b>pH</b>	Not applicable
<b>Flash point</b>	> 232 °C / > 450 °F	Cleveland Open Cup	<b>Boiling point / boiling range</b>	No information available
<b>Flammability (solid, gas)</b>	No information available		<b>Evaporation rate</b>	No information available
<b>Upper flammability limit:</b>	No information available		<b>Flammability Limit in Air</b>	
<b>Vapor pressure</b>	No information available		<b>Lower flammability limit:</b>	No information available
<b>Specific Gravity</b>	> 1.0		<b>Vapor density</b>	No information available
<b>Solubility in other solvents</b>	No information available		<b>Water solubility</b>	Soluble in water
<b>Autoignition temperature</b>	No information available		<b>Partition coefficient</b>	No information available
<b>Kinematic viscosity</b>	approx. 224 cSt @ 40 ° C		<b>Decomposition temperature</b>	No information available
<b>Explosive properties</b>		No information available	<b>Dynamic viscosity</b>	No information available
<b>Oxidizing properties</b>		No information available		

**Other information**

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

**10. STABILITY AND REACTIVITY****Reactivity**

Not applicable

**Chemical stability**

<b>Stability</b>	Stable under recommended storage conditions.
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**Possibility of Hazardous Reactions**

<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	None under normal processing.

**Conditions to avoid**

<b>Conditions to avoid</b>	No special storage conditions required
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**Hazardous Decomposition Products**

<b>Hazardous Decomposition Products</b>	Thermal decomposition can lead to release of irritating gases and vapors
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**Incompatible materials**

<b>Incompatible materials</b>	Strong acids and strong bases. Strong oxidising agents
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**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Eye contact</b>	May cause slight irritation.
<b>Skin contact</b>	Substance does not generally irritate and is only mildly irritating to the skin.
<b>Inhalation</b>	Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Components	Oral LD50	Dermal LD50	Inhalation LC50
Polyalkylene Glycol -	-	-	= 320 mg/m <sup>3</sup> ( Rat ) 4 h

**Information on toxicological effects****Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No sensitization responses were observed.
<b>Mutagenic effects:</b>	Did not show mutagenic or teratogenic effects in animal experiments.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Reproductive toxicity</b>	This product does not contain any known or suspected reproductive hazards.
<b>STOT - Single Exposure</b>	None under normal use conditions.
<b>STOT - Repeated Exposure</b>	None under normal use conditions.
<b>Aspiration hazard</b>	Not applicable.

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**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No known hazards to the aquatic environment.

0.09999% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

Soluble in water.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

<b>Disposal of wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.

**14. TRANSPORT INFORMATION**

**DOT** Not Regulated by any means of transportation

**15. REGULATORY INFORMATION****International Inventories**

<b>TSCA:</b>	Listed in TSCA
<b>DSL:</b>	Not listed in DSL
<b>EINECS/ELINCS</b>	This product complies with EINECS/ELINCS
<b>CHINA:</b>	This product does not comply with China IECSC.
<b>KECL:</b>	This product does not comply with Korea KECL.
<b>PICCS:</b>	This product does not comply with Philippines PICCS.
<b>AICS:</b>	This product does not comply with Australia AICS

**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 Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

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**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

### 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	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (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

### State Regulations (RTK)

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## 16. OTHER INFORMATION

#### Nfpa:

Health: 1

Flammability: 1

Instability 0

NFPA/HMIS \* for Carc, Muta, Tera, Specific Organ \*

#### HMIS health rating:

Health: 1

Flammability: 1

Physical hazards 0

Personal protection B

Issue Date 12-Feb-2019

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Revision Note

Not applicable

#### 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**