

Safety Data Sheet

Product Name: AD220

Issue Date: November 1, 2017

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name AD220
Product Use Lubricant
Restrictions on use None identified
SDS ID: MSOL447

Supplier

Company Name: Gast Mfg. Inc.
Address: 2300 Hwy M-139
Benton Harbor, MI 49023-0097
Telephone: 269 926 6171

Emergency telephone number

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1) 703 527 3887 or within USA 800 424 9300

Issue Date: November 1, 2017
Supersedes: September 19, 2013

SECTION 2: HAZARD(S) IDENTIFICATION**Hazard Classification**

Health Hazards May cause eye irritation

Label Elements

Hazard Symbol No symbol
Signal Word Warning
Hazard Statement: May cause eye irritation

Precautionary Statement:

Prevention Wash hands thoroughly after handling.
Use personal protective equipment as required.

Response: If exposed or concerned, get medical attention

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in GHS classification

Repeated exposure may cause skin dryness or cracking.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Component Name	WT %
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	90 – 99
Trade Secret	Phosphorodithioic acid, alkyl esters, zinc salts	0.1 – 0.9

SECTION 4: FIRST AID MEASURES

General Information:	Get medical advice/attention if you feel unwell.
Inhalation	In case of overexposure, move person to fresh air. If not breathing, administer artificial respiration and oxygen.
Skin	Immediately remove contaminated clothing. Wash skin thoroughly with plenty of soap and water. If irritation persists, get medical attention.
Eyes	Thoroughly flush eyes with clean, low-pressure water. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops or persists.
Oral	Clean mouth with water. Get medical attention if symptoms occur. Do not give anything by mouth to an unconscious person.

Most Important symptoms/effects, acute and delayed

Symptoms: See Section 11

Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical, foam or water spray. Water can be used to cool and protect exposed material.

Unsuitable Extinguishing Media

Do not use high pressure water streams

Special Hazards Arising from the Chemical

Negligible fire hazard. Avoid friction, static electricity and sparks

Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce sulfur oxides, aldehydes, ketones, carbon monoxide and unidentified organic compounds.

Fire Fighting Measures

Standard procedure for chemical fires.
A positive pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Special Protective Equipment and Precautions for Fire Fighters

Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal Precautions, protective equipment and Emergency Procedures:**

Ensure adequate ventilation.
Use personal protective equipment
Material can create slippery conditions

Methods and material for containment and cleaning up

Remove all sources of ignition
Safely stop flow of spill
Absorb spill with an inert material then place in a chemical was container
Recover by pumping or with suitable absorbent
Dike far ahead of larger spill for later recovery and disposal.

Environmental Precautions:

Prevent entry into waterways, sewers, basements or confined areas
Report spills as required to appropriate authorities.
Material will float on water.

Reference to other sections:

For Personal Protection see Section 8.

SECTION 7: HANDLING AND STORAGE**Precautions for Safe Handling:**

Keep away from heat, sparks and flame. Keep containers closed when not in use. Ground all handling equipment to prevent sparking. Avoid breathing vapors or mist. Avoid contact with eyes. Avoid prolonged exposure to skin. Hands should be washed thoroughly after handling. Provide adequate ventilation. Use person protective equipment as required. Launder contaminated clothing before reuse.

Conditions for Safe Storage, including any Incompatibilities:

Keep container tightly closed in a dry and well ventilated place.

Odorous and toxic fumes may form from decomposition of this material if stored in temperatures in excess of 113 Deg. F. (45 Deg. C.) for extended periods of time.

Incompatible Materials: Strong oxidizing materials

Storage Temperature Ambient

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Control Parameters:

Occupational Exposure Limits:

Lubricating oils, petroleum, hydrotreated, spent	None established
Phosphorodithioic acid, alkyl esters, zinc salts	None established

Occupational Exposure Controls

Appropriate engineering controls Adequate ventilation should be provided.

Individual protection measures, such as personal protective equipment

Respiratory protection Where exposure through inhalation may occur from use, respiratory protection is recommended. Use an approved respirator equipped with oil/mist cartridges.

Hand protection Use nitrile or neoprene gloves. Use good industrial hygiene practices. In case of skin contact, wash hands and arms with soap and water.

Eye protection Chemical goggles or safety glasses

Skin and body protection Long-sleeved clothing

Hygiene measures: Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.
Do not wear rings, watches or similar apparel that could entrap material and cause a skin reaction.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (TYPICAL)

Appearance:

Physical State liquid
Form: liquid
Color: Amber
Odor: Mild
pH: No data available
Freezing Point: No data available

Boiling Point:	No data available
Flash Point:	338 Deg. F (>170 Deg. C) by COC D92
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%)	No data available
Flammability limit - lower (%)	No data available
Explosive limit – upper (%)	No data available
Explosive limit – lower (%)	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Specific Gravity:	0.86 – 0.88 60.1°F (15.6°C)
Solubility (ies)	
Solubility in water:	Insoluble in water
Solubility (other):	No data available
Partition coefficient	
(n-octanol/water):	No data available
Auto-Ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	4.5 – 7.5 centistokes (100°C (212°F))

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	No reactivity hazard is expected
Chemical Stability:	Stable under normal temperature and pressure.
Possibility of hazardous Reactions:	Will not polymerize
Conditions to avoid:	Do not expose to excessive heat, ignition sources, or oxidizing materials.
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	Smoke, carbon monoxide, carbon dioxide, aldehydes, and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	No information on significant adverse effects.
Ingestion:	No information on significant adverse effects.
Skin Contact:	No information on significant adverse effects.

Eye Contact: May cause mild eye irritation

Acute and Chronic toxicity

Oral >2000 mg/kg

Dermal >2000 mg/kg

Immediate Effects No information on significant adverse effects

Delayed Effects No information on significant adverse effects

Irritation/Corrosivity Data May cause mild eye irritation
May cause slight skin irritation

Respiratory Sensitization No data available

Dermal Sensitization No data available

Carcinogenicity Not classified

Germ Cell Mutagenicity No data available

Tumorigenic Data No data available

Reproductive toxicity No data available

Specific Target Organ Toxicity

Single Exposure No information on significant adverse effects

Repeated Exposure No information on significant adverse effects

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life

Component Analysis – Aquatic toxicity

Lubricating oils, petroleum, hydrotreated spent	64742-58-1
Fish:	LC50 96 h Brachydanio 79.6 mg/L [semi-static] LC50 96 h Pimephales promelas 3.2 mg/L [semi-static]

Persistence and Degradability No information available for the product

Bioaccumulative Potential No information available for the product

Mobility No information available for the product

Other Adverse Effects

No additional information is available

SECTION 13: DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose in accordance with federal, state, provincial and local regulations. Dispose of packaging or containers in accordance with local, regional, national and international regulations. Empty container contains product residue which may exhibit the hazards of product.

Contaminated Packaging

Container packaging may exhibit hazards. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Do not attempt to refill or clean containers without proper instructions.

SECTION 14: TRANSPORT INFORMATION

DOT Hazard Class: Not Regulated

ICAO/IATA: Not Regulated

IMDG: Not Regulated

SECTION 15: REGULATORY INFORMATION**US Federal Regulations**

SARA 311/312 Hazards No SARA Hazards

SARA 302 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313

United States Toxic Substances Control Act (TSCA) Inventory

All chemicals on this SDS are listed on this inventory

Inventory Status**Canadian Domestic Substances List (DSL) Inventory**

All chemicals on this SDS are listed on this inventory

European Union (REACH) Contains an ingredient that may not be on the inventory.

Japan (ENCS)	Contains an ingredient that may not be on the inventory.
Philippines (PICCS)	Contains an ingredient that may not be on the inventory.
South Korea (ECL)	Contains an ingredient that may not be on the inventory.
Australia (AICS)	Contains an ingredient that may not be on the inventory.
China (IECSC)	Contains an ingredient that may not be on the inventory.

SECTION 16: OTHER INFORMATION

US NFPA Codes



Health	Fire	Reactivity	Special
1	1	0	N/E

HMIS Codes

Health	1
Flammability	1
Physical Hazards	0

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