

SAFETY DATA SHEET

1. Identification of the substance or mixture and of the supplier

Product identifier

Product name: AEON PG

Additional identification

Chemical name: Mixture
CAS-No.: Not applicable.

Recommended use and restriction on use

Recommended use: Formulated Industrial Lubricant
Restrictions on use: None identified.

Details of the supplier of the safety data sheet

Supplier

Company Name:
Address: Gardner Denver Inc
1800 Gardner Expressway
Quincy, IL 62305
US
Telephone: 800-372-2222

Emergency telephone number:

FOR TRANSPORT EMERGENCY CALL CHEMTREC (+1)703 527 3887, OR WITHIN USA 800 424 9300

2. Hazards identification

Classification of the substance or mixture

Prepared according to Global Harmonized System (GHS) standards.

Acute toxicity (Oral)	Category 5
Skin Corrosion/Irritation	Category 3
Acute hazards to the aquatic environment	Category 3

Label Elements

Signal Words: Warning
Hazard Statement(s): H303: May be harmful if swallowed.
H316: Causes mild skin irritation.
H402: Harmful to aquatic life.

Precautionary Statements

Prevention: P273: Avoid release to the environment.

Response: P312: Call a POISON CENTRE/doctor/ if you feel unwell.
P332+P313: If skin irritation occurs: Get medical advice/attention.

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None identified.

3. Composition/Information on Ingredients**Mixtures**

Chemical name	CAS number	Percent by Weight
Polyether polyol	Confidential	60 - 70%
Carboxylic ester	Confidential	20 - 30%
Alkarylamine	68411-46-1	5 - 10%
Barium sulfonate	Confidential	0.1 - 0.5%

Trade secret information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First aid measures**Description of first aid measures**

Inhalation: Remove exposed person to fresh air if adverse effects are observed.

Eye contact: Flush thoroughly with water. If irritation occurs, get medical assistance. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: Take off contaminated clothing and wash before re-use. Wash with soap and water. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Ingestion: Rinse mouth. Call a POISON CENTRE/doctor/ if you feel unwell.

Most important symptoms and effects, both acute and delayed: See section 11.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

General Fire Hazards: Use water to cool containers exposed to fire.

Extinguishing media

Suitable extinguishing media: CO2, dry chemical, foam, water spray, water fog.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazard arising from the chemical:

See section 10 for additional information. Burning may produce irritating, toxic and obnoxious fumes. Container may rupture on heating. Material creates a special hazard because it floats on water.

Advice for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots. Recommend wearing self-contained breathing apparatus.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas.

Environmental Precautions:

Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Material will float on water.

Methods and material for containment and cleaning up:

Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

Reference to other sections:

See sections 8 and 13 for additional information.

7. Handling and Storage:

Precautions for safe handling:

Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid environmental contamination.

Maximum Handling Temperature:

Not determined.

Conditions for safe storage, including any incompatibilities:

Store away from incompatible materials. See section 10 for incompatible materials.

Maximum Storage Temperature:

Not determined.

8. Exposure Controls/Personal Protection

Control Parameters:

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate engineering controls: Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information: Use personal protective equipment as required.

Eye/face protection: If contact is likely, safety glasses with side shields are recommended.

Skin protection

Hand Protection: Suitable gloves can be recommended by the glove supplier. Nitrile.

Other: Long sleeve shirt is recommended. Do not wear rings, watches or similar apparel that could entrap the material.

Respiratory Protection: Use respirator with an organic vapor and dust/mist cartridge if the recommended exposure limit is exceeded. A respiratory protection program compliant with all applicable regulations must be followed whenever workplace conditions require the use of a respirator. Under normal use conditions, respirator is not usually required. Use appropriate respiratory protection if exposure to dust particles, mist or vapors is likely. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

Hygiene measures: Observe good industrial hygiene practices.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Colorless to yellow

Odor: Mild

Odor Threshold: No data available.

pH: No data available.

Freezing point: No data available.

Boiling Point: No data available.

Flash Point: > 273,9 °C (Cleveland Open Cup)

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.

Vapor pressure: No data available.

Vapor density (air=1):	No data available.
Relative density:	0,977 (20 °C)
Solubility(ies)	
Solubility in Water:	Slightly Soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity:	48,3 mm ² /s (40 °C); 9,4 mm ² /s (100 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.
Pour Point Temperature	No data available.
Other information	
Bulk density:	8,15 lb/gal (25 °C)

10. Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	Will not occur.
Conditions to avoid:	Do not expose to excessive heat, ignition sources, or oxidizing materials.
Incompatible Materials:	Avoid strong bases at high temperatures, strong acids, strong oxidizing agents and materials that react with hydroxyl compounds. Oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, and other products of incomplete combustion.

11. Toxicological Information

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	May be harmful if swallowed.
Skin Contact:	Causes mild skin irritation.
Eye contact:	No data available.

Information on toxicological effects

Acute toxicity

Oral

Product:	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea, and abdominal pain. ATEmix > 2 000 mg/kg.
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Dermal

Product: Not classified for acute toxicity based on available data.

Inhalation

Product: Not classified for acute toxicity based on available data.

Skin Corrosion/Irritation:

Product: Prolonged or repeated contact may cause irritation.
Remarks: Causes mild skin irritation.

Serious Eye Damage/Eye Irritation:

Product: Remarks: Not classified as a primary eye irritant.

Respiratory sensitization:

No data available

Skin sensitization:

Alkarylamine Classification: Not a skin sensitizer. (Literature) Not a skin sensitizer.

Barium sulfonate Remarks: Category 1
Classification: May cause sensitization by skin contact. (Literature)

Specific Target Organ Toxicity - Single Exposure:

Polyether polyol If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Carboxylic ester If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Alkarylamine If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Barium sulfonate If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

Aspiration Hazard:

No data available

Chronic Effects**Carcinogenicity:**

No data available

Germ Cell Mutagenicity:

Alkarylamine In vitro and in vivo genetic toxicity studies were negative.

Reproductive toxicity:

Alkarylamine Not Classified based on available data.

Specific Target Organ Toxicity - Repeated Exposure:

Alkarylamine Oral: Target Organ(s): Liver, Kidney

12. Ecological Information

Ecotoxicity

Fish

Alkarylamine LC 50 (Zebra Fish, 4 d): > 100 mg/l

Aquatic Invertebrates

Alkarylamine EC 50 (Water flea (Daphnia magna), 2 d): 51 mg/l
NOEC (Water Flea (Daphnia Magna), 21 d): 1,69 mg/l

Toxicity to Aquatic Plants

Alkarylamine EC 50 (Green algae (Scenedesmus quadricauda), 3 d): > 100 mg/l
NOEC (Green algae (Scenedesmus quadricauda), 3 d): 10 - 100 mg/l

Toxicity to soil dwelling organisms

No data available

Sediment Toxicity

No data available

Toxicity to Terrestrial Plants

No data available

Toxicity to Above-Ground Organisms

No data available

Toxicity to microorganisms

Alkarylamine EC 50 (Sludge, 3 h): > 100 mg/l

Persistence and Degradability

Biodegradation

Alkarylamine OECD TG 301 B, 1 %, 28 d, Not readily degradable. (The product is not biodegradable.)

Bioaccumulative Potential

Bioconcentration Factor (BCF)

Alkarylamine Common Carp, Bioconcentration Factor (BCF): 1 730 (Read across)
Based on experimental data this material is not bioaccumulative.

Partition Coefficient n-octanol / water (log Kow)

Alkarylamine Log Kow: > 5 25 °C 77 °F(calculated)

Mobility:

No data available

Other Adverse Effects: No data available.

13. Disposal Considerations

Disposal methods: Treatment, storage, transportation, and disposal must be in accordance with applicable 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 hazards of product.

Contaminated Packaging: Container packaging may exhibit hazards.

14. Transport Information

IATA

Not regulated.

International standards

IMDG

Not regulated.

Transport in bulk according to Annex II of MARPOL and the IBC Code

None known.

Shipping descriptions may vary based on mode of transport, quantities, temperature of the material, package size, and/or origin and destination. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. For transportation, steps must be taken to prevent load shifting or materials falling, and all relating legal statutes should be obeyed. Review classification requirements before shipping materials at elevated temperatures.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Inventory Status

Australia (AICS)

All components are in compliance with chemical notification requirements in Australia.

Canada (DSL/NDSL)

All substances contained in this product are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List (DSL) or are exempt.

China (IECSC)

All components of this product are listed on the Inventory of Existing Chemical Substances in China.

European Union (REACH)

To obtain information on the REACH compliance status of this product, please e-mail REACH@SDSInquiries.com.

Japan (ENCS)

All components are in compliance with the Chemical Substances Control Law of Japan.

Korea (ECL)

All components are in compliance in Korea.

New Zealand (NZIoC)

All components are in compliance with chemical notification requirements in New Zealand.

Philippines (PICCS)

All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).

Switzerland (SWISS)

All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.

Taiwan (TCSCA)

All components of this product are listed on the Taiwan inventory.

United States (TSCA)

All substances contained in this product are listed on the TSCA inventory or are exempt.

The information that was used to confirm the compliance status of this product may deviate from the chemical information shown in Section 3.

16. Other Information

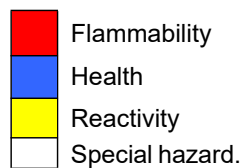
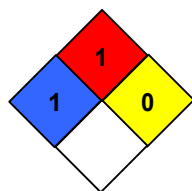
Key literature references and sources for data: Internal company data and other publically available resources.

HMIS Hazard ID

Health	1
Flammability	1
Physical Hazards	0

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

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