



BASO Gas Products LLC

Safety Data Sheet
OSHA Hazard Communication Standard
29 CFR 1910.1200. Prepared to GHS Rev 3.

Date of issue: 04.12.2023

Page: 1/12

Trade name: BASO Y70AA Gas Valve Grease

SECTION 1: Identification

Product identifier used on the label:

Product Name: BASO Y70AA Gas Valve Grease

Other means of identification:

Product Code Number: Not known.

Recommended use of the chemical and restrictions on use:

Recommended use: To be used as gas valve grease.

Recommended restrictions: Uses other than those described above.

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party:

Company Name: Baso Gas Products LLC.
Company Address: 450 E Horseshoe Rd,
Watertown, WI 53094. United States.

Company Telephone: 1-877-227-6427

Contact Name: Travis Sopko

Contact Email: tsopko@baso.com

Emergency phone number: 1-877-227-6427

SECTION 2: Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

Physical hazards

None known.

Health hazards

Skin sensitization, category 1

Eye irritation, category 2A

Carcinogenicity, category 1B

Environmental hazards

Not adopted under OSHA paragraph (d) of §1910.1200

GHS Signal word: DANGER

GHS Hazard statement(s): May cause an allergic skin reaction.
Causes serious eye irritation.
May cause cancer.

BASO Y70AA Gas Valve Grease

GHS Hazard symbol(s):



GHS Precautionary statement(s):

Prevention:

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid breathing dust/fume/gas/mist/ vapors/spray.
- Wash hands thoroughly after handling.
- Contaminated work clothing must not be allowed out of the workplace.
- Wear protective gloves/protective clothing/eye protection/face protection.

Response:

- If on skin: Wash with plenty of water.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If exposed or concerned: Get medical advice/attention.
- Specific treatment (see sections 4 to 8 on this SDS and any further information on the label).
- If skin irritation or rash occurs: Get medical advice/attention.
- If eye irritation persists: Get medical advice/attention.
- Wash contaminated clothing before reuse.

Storage:

- Store locked up.

Disposal:

- Dispose of contents/container to appropriate waste facility in accordance with local or national regulations.

Hazard(s) not otherwise classified (HNOC):

None known.

Percentage of ingredient(s) of unknown acute toxicity:

43% of the mixture consists of ingredients of unknown acute toxicity (oral/dermal).

19% of the mixture consists of ingredients of unknown acute toxicity (inhalation).

BASO Y70AA Gas Valve Grease

SECTION 3: Composition/information on ingredients

Chemical name	CAS#	Concentration (weight %)
Zinc oxide	1314-13-2	26.8%
Molybdenum disulfide	1317-33-5	25%
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl) dimethylammonium chlorides	71011-25-1	18%
Zinc bis(dibutyldithiocarbamate)	136-23-2	0.36
Quartz	14808-60-7	0.36

SECTION 4: First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Oxygen should only be administered by qualified personnel. Seek medical advice.

Skin contact: Wash with water and soap and rinse thoroughly. Seek medical advice if irritation or pain develops.

Eye contact: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation occurs, call a physician.

Ingestion: Do NOT induce vomiting. If swallowed, wash mouth out with water provided the person is conscious. Follow with plenty of water. NEVER GIVE LIQUIDS TO AN UNCONCIOUS PERSON. Call a physician.

Most important symptoms/effects, acute and delayed:

May cause an allergic skin reaction. Causes serious eye irritation. May cause cancer.

Indication of immediate medical attention and special treatment needed:

If any symptoms are observed, contact a physician and give them this SDS sheet. Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

BASO Y70AA Gas Valve Grease

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray

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

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

None expected.

Hazardous combustion products may include the following substances: Fume, carbon monoxide, carbon dioxide, peroxides, formic acid, acetone, nitrogen oxide and formation of small quantities of hydrogen sulfide and sulfur oxides.

Special protective equipment and precautions for fire-fighters:

Use water spray or fog for cooling exposed containers. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate all non-emergency personnel from area. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

No action shall be taken involving any personal risk or without suitable training. Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Wear appropriate personal protective equipment. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Environmental Precautions:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. If spill occurs on water notify appropriate authorities.

Methods and material for containment and cleaning up:

Sweep up or shovel material and transfer to containers for later disposal. Wipe up with absorbent material (e.g., cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

Precautions for safe handling:

Wash hands and other exposed areas with mild soap and water before eat, drink or smoke. and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing Dust/Mist. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibles:

Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials.

Incompatible materials include strong bases, strong acid, strong oxidizers, chlorinated rubber, magnesium, aluminum and hexachloroethane.

BASO Y70AA Gas Valve Grease

SECTION 8: Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Substance	OSHA PEL	ACGIH TLV	NIOSH IDLH
Zinc oxide	5 mg/m ³ TWA (fume) 15 mg/m ³ TWA (total dust) 5 mg/m ³ TWA (respirable fraction)	10 mg/m ³ STEL (respirable particulate matter) 2 mg/m ³ TWA (respirable particulate matter)	500 mg/m ³ IDLH (dust and fume) 5 mg/m ³ TWA (dust and fume) 10 mg/m ³ STEL (fume)
Molybdenum disulfide	None known	None known	None known
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl) dimethylammonium chlorides	None known	None known	None known
Zinc bis(dibutylthiocarbamate)	None known	None known	None known
Quartz	50 µg/m ³ TWA (listed under Respirable crystalline silica) (250)/(%SiO ₂ + 5) mppcf TWA, respirable fraction; (10)/(%SiO ₂ + 2) mg/m ³ TWA, respirable fraction	0.025 mg/m ³ TWA (respirable fraction)	50 mg/m ³ IDLH (respirable dust) 0.05 mg/m ³ TWA (respirable dust)

Appropriate engineering controls:

Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

BASO Y70AA Gas Valve Grease

Concentrations should be monitored hazardous substances in the workplace in accordance with recognized test methods. Mode, method, type and frequency of testing and measurement of harmful factors in the working environment should meet the requirements of local/regional/national laws.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear safety glasses, safety glasses with side shields or safety goggles. Use equipment for eye protection tested and approved under NIOSH standards.

Skin and hand protection: Wear chemical-resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Chemical resistant apron.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a chemical respirator with dust cartridge. Use respirators and components tested and approved under appropriate government standards such as NIOSH).

General hygiene considerations: When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9: Physical and chemical properties

Appearance (physical state, color, etc.):

Physical state:	Solid grease
Color:	Gray
Odor:	Mineral oil.
Odor threshold:	Not available
pH:	Not available
Melting point/freezing point:	Not available
Initial boiling point and boiling range:	> 500°F (> 260°C)
Flash point:	> 415°F (>212.8°C) Open cup
Evaporation rate:	Not available
Flammability (solid, gas):	Not applicable.
Upper/lower flammability or explosive limits	
Lower limit (%):	Not available
Upper limit (%):	Not available
Vapor pressure:	Negligible.
Vapor density:	Not available

BASO Y70AA Gas Valve Grease

Relative density:	1.6
Solubility (ies):	Insoluble in water
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

SECTION 10: Stability and reactivity

Reactivity:	Not expected to be reactive under normal storage and handling conditions.
Chemical stability:	Stable under recommended storage and handling conditions.
Possibility of hazardous reactions:	Not expected to present a significant hazard under anticipated conditions of normal use.
Conditions to avoid:	Avoid direct sunlight. Extremely high or low temperatures.
Incompatible materials:	Strong acids, strong bases, strong oxidizers, chlorinated rubber, magnesium, aluminum hexachloroethane.
Hazardous decomposition Products:	Fume, carbon monoxide, carbon dioxide, peroxides, formic acid, acetone, nitrogen oxide and formation of small quantities of hydrogen sulfide and sulfur oxides.

SECTION 11: Toxicological information

Information on likely routes of exposure:

Inhalation:	Expected to be a route of exposure.
Ingestion:	Expected to be a route of exposure.
Skin:	Expected to be a route of exposure.
Eyes:	Expected to be a route of exposure.

Target Organs: Skin, Eyes, Respiratory Tract

Symptoms related to the physical, chemical, and toxicological characteristics:

May cause an allergic skin reaction. Causes serious eye irritation.

Delayed and immediate effects and chronic effects from short or long-term exposure:

May cause cancer.

Numerical measures of toxicity (such as acute toxicity estimates):

Ingredient Information:

BASO Y70AA Gas Valve Grease

Substance	Test Type (species)	Value
Zinc oxide	LD ₅₀ Oral (Mouse)	> 5000 mg/kg
	LD ₅₀ Dermal (Rat)	> 2000 mg/kg
	LC ₅₀ Inhalation (Rat)	> 5700 mg/m ³ air 4h
Molybdenum disulfide	LD ₅₀ Oral (Rat)	None known
	LD ₅₀ Dermal (Rabbit)	None known
	LC ₅₀ Inhalation (Rat)	>2820 mg/m ³ 4h
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl) dimethylammonium chlorides	LD ₅₀ Oral (Rat)	None known
	LD ₅₀ Dermal (Rabbit)	None known
	LC ₅₀ Inhalation (Rat)	None known
Zinc bis(dibutyldithiocarbamate)	LD ₅₀ Oral (Rat)	> 5000 mg/kg
	LD ₅₀ Dermal (Rabbit)	> 2000 mg/kg
	LC ₅₀ Inhalation (Rat)	None known
Quartz	LD ₅₀ Oral (Rat)	500 mg/kg
	LD ₅₀ Dermal (Rabbit)	None known
	LC ₅₀ Inhalation (Rat)	None known

Acute toxicity :	Does not meet the criteria for classification.
Skin corrosion/irritation:	Does not meet the criteria for classification.
Serious eye damage/eye irritation:	Causes serious eye irritation.
Respiratory sensitization:	Does not meet the criteria for classification.
Skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Does not meet the criteria for classification.
Carcinogenicity:	May cause cancer.
Reproductive toxicity:	Does not meet the criteria for classification.
Specific target organ toxicity-Single exposure:	Does not meet the criteria for classification.
Specific target organ toxicity-Repeat exposure:	Does not meet the criteria for classification.
Aspiration hazard:	Does not meet the criteria for classification.

Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

BASO Y70AA Gas Valve Grease

Component	IARC	NTP	ACGIH	OSHA
Zinc oxide	Not listed	Not listed	Not listed	Not listed
Molybdenum disulfide	Not listed	Not listed	Not listed	Not listed
Quaternary ammonium compounds, benzyl (hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl) dimethylammonium chlorides	Not listed	Not listed	Not listed	Not listed
Zinc bis(dibutyldithiocarbamate)	Not listed	Not listed	Not listed	Not listed
Quartz	Group 1 (Carcinogenic to Humans)	Known Human Carcinogen (listed under Silica, crystalline (respirable size))	A2 - Suspected Human Carcinogen	Listed

SECTION 12: Ecological information

Ecotoxicity (aquatic and terrestrial, where available):

Substance	Test Type	Species	Value
Zinc oxide	LC ₅₀	Fish - <i>Lepomis macrochirus</i>	> 320 ppm 96 h
	EC ₅₀	Aquatic Invertebrates - <i>Daphnia magna</i>	0.098 mg/L 48 h
	EC ₅₀	Algae - <i>Selenastrum capricornutum</i>	170 mg/L 72 h
Molybdenum disulfide	LC ₅₀	Fish	None known
	EC ₅₀	Aquatic Invertebrates	None known
	EC ₅₀	Algae	None known
	LC ₅₀	Fish	None known
	EC ₅₀	Aquatic Invertebrates	None known

BASO Y70AA Gas Valve Grease

Substance	Test Type	Species	Value
Quaternary ammonium compounds, benzyl (hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl) dimethylammonium chlorides	EC ₅₀	Algae	None known
Zinc bis(dibutyldithiocarbamate)	LC ₅₀	Fish - <i>Oncorhynchus mykiss</i>	520 mg/L 96 h
	EC ₅₀	Aquatic Invertebrates - <i>Daphnia magna</i>	0.74 mg/L 48 h
	EC ₅₀	Algae	None known
Quartz	LC ₅₀	Fish	None known
	EC ₅₀	Aquatic Invertebrates	None known
	EC ₅₀	Algae	None known

Persistence and Degradability:

Not established.

Bioaccumulative Potential:

Not established.

Mobility in Soil:

Not determined.

Other adverse effects (such as hazardous to the ozone layer):

No known ecological damage is caused by this product.

SECTION 13: Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.

Product

Dispose of waste materials in accordance with applicable local and national laws and regulations. Where possible, recycling is preferred to disposal or incineration. Contact the proper local authorities.

Contaminated packaging

Since emptied containers retain product residue, follow label warnings even after container is emptied. Dispose of as unused product.

SECTION 14: Transport Information

US Department of Transportation Classification (49CFR)

Not classified as dangerous for transport

BASO Y70AA Gas Valve Grease

IMDG (Transport by sea)

Not classified as dangerous for transport

IATA (Country variations may apply)

Not classified as dangerous for transport

Environmental hazards

Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

No further relevant information is available.

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory Information

USA:

United States Federal Regulations: This SDS complies with the OSHA, 29 CFR 1910.1200. The product is classified as hazardous under OSHA.

Toxic Substances Control Act (TSCA) – All components are listed on the TSCA inventory or are exempted.

CERCLA RQ (lbs) Ingredients (> 0.1%):

None of the components are listed.

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311, 312 and 313:

Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) (> 0.1%):

None of the components are listed.

Section 311/312 (40 CFR 370) (> 0.1%):

Respiratory or skin sensitization
Serious eye damage or eye irritation
Carcinogenicity

Section 313 Toxic Release Inventory (40 CFR 372) (> 0.1%):

None of the components are listed.

STATE REGULATIONS:

This SDS contains specific health and safety data that is applicable for state requirements. For details on your regulatory requirements, you should contact the appropriate agency in your state.

California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986:

Silica, crystalline is listed as a carcinogen, 10/1/1988 (airborne particles of respirable size)

BASO Y70AA Gas Valve Grease

Massachusetts Right to Know:

Zinc oxide and quartz are listed on the Massachusetts Right to Know list.

New Jersey Right to Know:

Zinc oxide and quartz are listed on the New Jersey Right to Know list.

Pennsylvania Right to Know:

Zinc oxide and quartz are listed on the Pennsylvania Right to Know list.

SECTION 16: Other Information

Revision Date: April 12, 2023

DISCLAIMER: The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. The manufacturer **MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE.** Given the variety of factors that can affect the use and application of this product, many of which are solely within the user's knowledge and control, the user is responsible for determining whether the usage of this product is fit for a particular purpose and suitable for the user's method of use or application. It is essential that the user, not the manufacturer, evaluates this product to determine whether it is fit for a particular purpose and suitable for the user's method of use or application.