



BASO Y70AA Gas Valve Grease

Safety Data Sheet

according to Canadian Hazardous Products Regulation – January 29, 2015

Date of issue: December 5, 2017 Supersedes: June 24, 2015 Version: 2.0

BASO Gas Products LLC

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : BASO Y70AA Gas Valve Grease
CAS No : Not applicable, see Section 3

1.2. Relevant identified uses of the substance or mixture and uses advised against

To be used as gas valve grease.

1.3. Details of the supplier of the safety data sheet

Baso Gas Products LLC
450 East Horseshoe Road
Watertown, - United States
T 1-877-227-6427

1.4. Emergency telephone number

Emergency number : 1-877-227-6427

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-CA)

Eye Irrit. 2A H319
Skin Sens. 1 H317

Full text of H-phrases: see section 16

2.2. Label elements

GHS-CA labeling

Hazard pictograms (GHS-CA) :



GHS07

Signal word (GHS-CA) :

Warning

Hazard statements (GHS-CA) :

H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

Precautionary statements (GHS-CA) :

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection/face protection
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
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P337+P313 - If eye irritation persists: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P501 - Dispose of contents/container to appropriate waste facility in accordance with local or national regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-CA)

21% of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

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3.2. Mixture

Name	Product identifier	%	Classification (GHS-CA)
Zinc oxide	(CAS No) 1314-13-2	26.8	STOT SE 3, H335
Molybdenum disulfide	(CAS No) 1317-33-5	25	STOT SE 3, H335
Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl) dimethylammonium chlorides	(CAS No) 71011-25-1	18	Eye Irrit. 2A, H319
QUATERNIUM-18 BENTONITE	(CAS No) 68953-58-2	0.25 - 1	Eye Irrit. 2B, H320 STOT SE 3, H335 STOT RE 2, H373
Zinc bis(dibutyl)dithiocarbamate)	(CAS No) 136-23-2	0.36	Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
QUARTZ	(CAS No) 14808-60-7	0.36	Acute Tox. 4 (Oral), H302 Carc. 1A, H350

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries : May cause skin sensitization.
- Symptoms/injuries after eye contact : Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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.

Hygiene measures : Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from: Incompatible materials. Keep container closed when not in use.

Incompatible products : Strong bases, strong acid, strong oxidizers, chlorinated rubber, magnesium, aluminum and hexachloroethane.

Incompatible materials : No special storage conditions required.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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ACGIH Not applicable

OSHA Not applicable

Molybdenum disulfide (1317-33-5)

ACGIH Not applicable

OSHA Not applicable

Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl) dimethylammonium chlorides (71011-25-1)

ACGIH Not applicable

OSHA Not applicable

QUATERNIUM-18 BENTONITE (68953-58-2)

ACGIH Not applicable

OSHA Not applicable

zinc oxide (1314-13-2)

ACGIH ACGIH TLV-TWA (mg/m³) 2 mg/m³

ACGIH ACGIH TLV-STEL (mg/m³) 10 mg/m³

ACGIH Remark (ACGIH) Metal fume fever

OSHA Not applicable

zinc bis(dibutyldithiocarbamate) (136-23-2)

ACGIH Not applicable

OSHA Not applicable

QUARTZ (14808-60-7)

ACGIH Not applicable

OSHA Not applicable

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8.2. Exposure controls

Appropriate engineering controls	:	Ensure adequate ventilation. Protect eyes, face and skin from liquid/grease splashes.
Personal protective equipment	:	Avoid all unnecessary exposure.
Hand protection	:	Wear protective gloves.
Eye protection	:	Chemical goggles or safety glasses.
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment.
Other information	:	When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Grease.
Color	:	grey
Odor	:	mineral oil
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	260 °C (> 500°F)
Flash point	:	212.8°C (> 415 °F) Open cup.
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Vapor pressure	:	Negligible.
Relative density	:	1.6 (Specific gravity)
Relative vapor density at 20 °C	:	No data available
Solubility	:	Insoluble in water.
Log Pow	:	No data available
Log Kow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not expected to present a significant hazard under anticipated conditions of normal use.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers, chlorinated rubber, magnesium, aluminum hexachloroethane.

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10.6. 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

11.1. Information on toxicological effects

Likely routes of exposure : Ingestion; skin and eye contact.

Acute toxicity : Not classified (Lack of data)

zinc bis(dibutyldithiocarbamate) (136-23-2)

LD50 oral rat	100 mg/kg mouse
LD50 dermal rat	> 2000 mg/kg
ATE CA (oral)	100 mg/kg body weight

QUARTZ (14808-60-7)

LD50 oral rat	500 mg/kg
ATE CA (oral)	500 mg/kg body weight

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Additional information	In its marketed form this product is not expected to cause respiratory tract irritation. In its marketed form this product is not expected to cause adverse effects to the lungs - since prolonged or repeated exposure by inhalation is unlikely
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Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified. (Based on available data and the physical state of the product, it is our professional judgment that, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

Specific target organ toxicity (single exposure) : Not classified. (Based on available data and the physical state of the product, it is our professional judgment that, the classification criteria are not met)

Specific target organ toxicity (repeated exposure) : Not classified. (Based on available data, the classification criteria are not met)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after eye contact : Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not determined.

zinc oxide (1314-13-2)

LC50 fish 1	> 320 ppm <i>Lepomis macrochirus</i>
LC50 other aquatic organisms 1	1.1 ppm <i>Oncorhynchus mykiss</i> (Rainbow trout)
EC50 Daphnia 1	0.098 mg/l
EC50 other aquatic organisms 1	170 mg/l <i>Selenastrum capricornutum</i>

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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12.4. Mobility in soil

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Ecology - soil	Not determined.
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12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Transportation of Dangerous Goods Act/Regulations (TDGA/TDGR)

Not determined.

Additional information

Other information : No supplementary information available.

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. National regulations

CANADA

BASO Y70AA Gas Valve Grease

A component of this product is not listed on the Canadian DSL (Domestic Substances List) but is present on the Non-Domestic Substances List.

WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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15.1. US Federal regulations

Molybdenum disulfide (1317-33-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl) dimethylammonium chlorides (71011-25-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

QUATERNIUM-18 BENTONITE (68953-58-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

zinc oxide (1314-13-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.3. Other regulations

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC or 1999/45/EC

Not determined

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National regulations

No additional information available

SECTION 16: Other information

Indication of changes	: New Safety Data Sheet (SDS).
Data sources	: GHS-US classification parameters. GHS-Canada Hazardous Products Regulations (HPR). References available upon request.
Revision date	: June 12, 2015
Other information	: None.

Full text of H-phrases::

Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H301	Toxic if swallowed
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H320	Causes eye irritation
H335	May cause respiratory irritation
H350	May cause cancer
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

SDS Canada (GHS)

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