



BASO Y70AA Gas Valve Grease

Safety Data Sheet

according to Australian Code of Practice - Preparation of Safety Data Sheets For Hazardous Chemicals / December 23, 2011

BASO Gas Products LLC

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

Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Product form : Mixture
 Trade name : BASO Y70AA Gas Valve Grease
 CAS No : Not applicable, see Section 3
 Other means of identification : Not applicable.

1.2. Recommended use of the chemical and restrictions on use.

To be used as gas valve grease. No known restrictions on use.

1.3. Supplier's name, address and phone number

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

Email/website: (if available)

(NEED AN AUSTRALIAN TEL # and ADDRESS).

1.4. Emergency phone number

Emergency number : 1-877-227-6427 (NEED AN AUSTRALIAN TEL NUMBER)

SECTION 2: Hazard(s) identification

2.1. Classification of the hazardous chemical

Classification (Australian - Work Health and Safety (WHS) Act and the WHS Regulations)

Serious Eye Damage/Irritation - 2A

H319 - Causes serious eye irritation

Sensitisation – Skin - 1

H317 – May cause an allergic skin reaction

NON-GHS SUPPLEMENTAL HAZARD STATEMENTS:

AUH066 – Repeated exposure may cause skin dryness and cracking

Full text of hazard-phrases: see section 16

2.2. Label elements

WHS Act/Regulations labeling

Hazard pictograms



GHS07

Exclamation

Mark

Signal word : Warning

Hazard statements : H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 AUH066 – Repeated exposure may cause skin dryness and cracking

Precautionary statements : 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.

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2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Identity of chemical ingredients	CAS#	Concentration of Ingredients %	Classification (GHS-US)
Zinc oxide	1314-13-2	27	STOT SE 3, H335
Molybdenum disulfide	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	71011-25-1	18	Eye Irrit. 2A, H319
QUATERNIUM-18 BENTONITE	68953-58-2	0.25 - 1	Eye Irrit. 2B, H320 STOT SE 3, H335 STOT RE 2, H373
Zinc bis(dibutyldithiocarbamate)	136-23-2	0.4	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	14808-60-7	0.4	Acute Tox. 4 (Oral), H302 Carc. 1A, H350
Non-hazardous ingredients	Not applicable	21%	Not applicable

Full text of H-phrases: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary 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. Symptoms caused by exposure

Symptoms/injuries	: May cause skin sensitization. Repeated or prolonged skin contact may cause dryness and cracking.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

4.3. Medical attention and special treatment

No additional information available

SECTION 5: Fire-fighting 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. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire fighters

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

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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.

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 and personal protection

8.1. Control parameters

Molybdenum disulfide (1317-33-5)

Australia (SWA)	SWA-TWA	10 mg/m ³ (Molybdenum insoluble compds as Mo)
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Quaternary ammonium compounds, benzyl(hydrogenated tallow alkyl)dimethyl, chlorides, compds. with bentonite and bis(hydrogenated tallow alkyl) dimethylammonium chlorides (71011-25-1)

Australia (SWA)	Not applicable
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QUATERNIUM-18 BENTONITE (68953-58-2)

Australia (SWA)	Not applicable
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zinc oxide (1314-13-2)

Australia (SWA)	SWA-TWA	10 mg/m ³ (dust)
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Australia (SWA)	SWA-TWA	5 mg/m ³ (fume)
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Australia (SWA)	SWA-STEL	10 mg/m ³ (fume)
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zinc bis(dibutyl)dithiocarbamate (136-23-2)

Australia (SWA)	Not applicable
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QUARTZ (14808-60-7)

Australia (SWA)	SWA-TWA	0.1 mg/m ³ (respirable dust)
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8.2. Exposure controls

Appropriate engineering controls	:	Ensure adequate ventilation. Protect eyes, face and skin from liquid 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.
Colour	:	grey
Odour	:	mineral oil
Odour threshold	:	No data available
pH	:	No data available
Melting point / Freezing point	:	No data available
Boiling point	:	> 500°F (260 °C)
Flash point	:	> 415 °F (212.8°C) 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
Vapour pressure	:	Negligible.
Relative density	:	1.6 (Specific gravity)
Relative vapour density at 20 °C	:	No data available
Solubility	:	Insoluble in water.
Log Pow/Kow (Octanol-water partition coefficient)	:	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
Specific heat value	:	Not available
Particle size	:	Not applicable
Volatile organic compounds content	:	Not available
% Volatility	:	Not available
Saturated vapour concentration	:	Not available
Release of invisible flammable vapours and gases	:	Not anticipated to release invisible flammable vapours or gases.

9.2. Additional parameters

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. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

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10.4. Incompatible materials and possible hazardous reactions

Strong acids, strong bases, strong oxidizers, chlorinated rubber, magnesium, aluminum hexachloroethane. Not expected to present a significant hazard under anticipated conditions of normal use.

10.5. 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

Information on routes of exposure : Ingestion; skin and eye contact.
Symptoms related to exposure : Eye contact may cause redness and irritation. Short-term skin contact is not anticipated to be irritating; however, an allergic skin reaction may occur and may increase in severity over repeated exposure. Prolonged or repeated skin contact may cause skin irritation (defatting and drying of skin) and skin sensitization. Ingestion may cause a mild laxative effect. Inhalation is not an anticipated route of exposure. In its marketed form this product is not expected to cause respiratory tract irritation or adverse effects to the lungs - since prolonged or repeated exposure by inhalation is unlikely.

11.2. Numerical measures of toxicity

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

LD50 oral rat	100 mg/kg mouse
LD50 dermal rat	> 2000 mg/kg

QUARTZ (14808-60-7)

LD50 oral rat	500 mg/kg
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11.3. Immediate, delayed and chronic health effects from exposure

Acute Toxicity : Not classified (based on available data, the classification criteria are not met)
Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
Prolonged or repeated skin contact may cause skin irritation (defatting and drying of skin)
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)
Symptoms/injuries after eye contact : Causes serious eye irritation.

11.4. Exposure levels

Exposure levels : Likely levels of exposure are not known

11.5. Interactive effects

Interactive effects : No known interactive effects with other chemicals

11.6. Data limitations

Data limitations : No information is available about data limitations

SECTION 12: Ecological information

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12.1. Ecotoxicity

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 determined
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not determined
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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. Avoid release to sewers due to potential blockage.

SECTION 13: Disposal considerations

13.1. Safe handling and disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/state/national regulations. Persons conducting disposal, recycling or reclamation activities, should wear appropriate personal protective equipment as identified in Section 8 of this SDS.

Ecology - waste materials : Avoid release to the environment.

13.2. Disposal of any contaminated packaging

Disposal of contaminated packaging : Dispose of all contaminated packaging in a safe manner in accordance with local/national regulations.

13.3. Environmental regulations

Environmental regulations : Not determined

SECTION 14: Transport information

Australian Dangerous Goods Code (ADG)

UN Number

Not applicable

Proper shipping name

Not applicable.

Transport hazard class(es)

Not applicable.

Packing group

Not applicable.

Environmental hazards for transport purposes

Not applicable.

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Special precautions during transport

Not applicable.

Additional Information

Not applicable

Hazchem Code

Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Not determined

15.2. Poisons Schedule Number

Quaternary ammonium compounds (<20%) listed in Schedule 5 of the SUSMP

No other known components present which require disclosure based on requirements in the SUSMP. If any other components are present they need not be disclosed due to either low levels of the component in the product or the physical nature of the product.

SECTION 16: Other information

Indication of changes	:	New Safety Data Sheet (SDS).
Data sources	:	References available upon request.
Date of preparation or review	:	June 24, 2015
Other information	:	None.
Key abbreviations or acronyms used	:	
Compds	:	Compounds
EC50	:	Effective Concentration, 50%
LC50	:	Lethal Concentration, 50%
LD50	:	Lethal Dose, 50%
STEL	:	Short-Term Exposure Limit
SUSMP	:	Standard for Uniform Scheduling of Medicines and Poisons
SWA	:	Safe Work Australia
TWA	:	Time-Weighted Average

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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 AUS (Australian Code of Practice – Preparation of SDS for Hazardous Chemicals, December 23, 2011)

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