

Ink Jet Print Head Storage Solution

1 Identification

GHS Product Identifier: BQ Storage Solution

Product code: BQ-CON-AOA-0003 (-04,05,06,07)

Recommended use of the chemical and restriction on use:

To be used for storing ink-jet printing heads

Supplier's details

Colman & Company / Coldesi, Inc.

12198 44th Street North

Clearwater, FL 33762, USA

www.colmanandcompany.com

(800) 891-1094

customerservice@colmanandcompany.com

In Emergency, call ARCH Chemical Emergency Action Network, at 800-654-6911

Outside of US or Canada, call Chemtrec at 703-527-3887

2 Hazard(s) identification

Classification of the substance or mixture

Acute toxicity (Oral) : Category 4

Skin corrosion: Category 1A

Skin sensitization : Category 1

Serious Eye Damage: Category 1

GHS label elements

Danger



Harmful if swallowed

Causes severe skin burns and eye damage

May cause an allergic skin reaction

Causes serious eye damage

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash skin thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container to an approved waste disposal plant.

Avoid release to the environment.

IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell. Rinse mouth.

Other hazards which do not result in classification

None Known

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
sodium hydroxide	1310-73-2		0.05 - 0.1	
Glycerin	56-81-5		40 - 45	
1,2-Benzisothiazolin-3-one	2634-33-5		0.15 - 0.2	
Ethoxylated 2,4,7,9-tetramethyl 5 decn-4,7-diol	9014-85-1		10 - 15	

4 First-aid measures

Description of necessary first-aid measures

General Information: Call a poison control center or doctor for treatment advice. For 24-hour emergency medical assistance, call Arch Chemical Emergency Action Network at 1-800-654-6911. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

After inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

After skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

After eye contact: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

After swallowing: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Turn victim's head to the side.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

5 Fire-fighting measures

Suitable extinguishing media

Alcohol-resistant foam

Carbon dioxide (CO₂)

Dry chemical.

Dry sand.

Limestone powder.

Specific hazards arising from the chemical

Incomplete combustion may form carbon monoxide. Burning produces noxious and toxic fumes. Downwind personnel

must be evacuated.

Special protective actions for fire-fighters

Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing, gloves and eye/face protection. Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

Environmental precautions

Construct a dike to prevent spreading.

Methods and materials for containment and cleaning up

Contact Air Products Emergency Response Center for advice (800) 523-9374. Approach suspected leak areas with caution. Place in appropriate chemical waste container.

7 Handling and storage

Precautions for safe handling

Handling: A sensitized individual should not be exposed to the product which caused the sensitization. Emergency showers and eye wash stations should be readily accessible. When using, do not eat, drink or smoke. Avoid contact with skin, eyes and clothing by wearing proper protective equipment. Upon contact with skin or eyes, wash off with water. Keep containers tightly closed when not in use. Avoid contact and inhalation of the vapors. Do not eat or drink when handling. Keep away from any source of ignition. Adhere to work practice rules established by government regulations.

Conditions for safe storage, including any incompatibilities

Storage: Store in a cool, dry and well ventilated place. Isolate from incompatible materials. Keep containers tightly closed when not in use.

Shelf Life Limitations: 2 years

Incompatible Materials for Storage: Corrodes mild steel, aluminum, brass, copper and other metals., Strong oxidizing agents, Strong acids.

Do Not Store At temperatures Above: 48.89 °C

8 Exposure controls/personal protection

Control parameters

Components with limit values that require monitoring at the workplace:

56-81-5 Glycerin

PEL: Long-term value: 15* 5** mg/m³ mist; *total dust **respirable fraction

TLV: TLV withdrawn-insufficient data human occup.exp.

1310-73-2 Sodium hydroxide: 2mg/m³

Individual protection measures

Ventilation: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to keep airborne exposures below the TLV, PEL or other recommended exposure limit.

Protective Equipment for Routine Use of Product

Respiratory Protection: Wear a NIOSH approved respirator if levels above the exposure limits are possible.

Respirator Type: A NIOSH approved air purifying respirator with organic vapor cartridge and N95 particulate filter. Air purifying respirators should not be used in oxygen deficient or IDLH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

Skin Protection: Wear impervious gloves, boots and apron to avoid skin contact. A full impervious suit is recommended if exposure is possible to a large portion of the body.

Eye Protection: Use chemical goggles and a faceshield if handling outside of container.

Protection Clothing Type: Impervious

General Protective Measures: An eye wash and safety shower should be provided in the immediate work area.

9 Physical and chemical properties

Physical and chemical properties

Physical State:	Liquid
Color:	Translucent
Odor:	Slight
Molecular Weight:	None
Relative density	1.14
pH:	7
Boiling Point:	212F (100C) Approximately
Melting Point/Range:	<32F (0C)
Density	Not determined
Viscosity:	Not determined

10 Stability and reactivity

Reactivity

No data available

Chemical stability

Stable Under Normal Conditions

Conditions to avoid

No data available

Incompatible materials

Reactive metals (e.g. sodium, calcium, zinc, etc), Materials reactive with hydroxly compounds, Dehydrating Agents, Oxidizing agents, Acids, Reducing agents, halogenated hydrocarbons, maleic anhydride

Hazardous decomposition products

Aldehydes, Potassium oxides, Carbon oxides, Nitrogen oxides (NOx), Ammonia, Sulfur oxides, Flammable hydrocarbon fragments, heatinga bout 65C in the presence of strong base can liberate flammable hydrocarbaon fragments

11 Toxicological information

Toxicological (health) effects

Component Animal Toxicology

Oral LD50 value:

1,2-Benzisothiazolin-3-one	LD50	1,020 mg/kg	Rat
Sodium hydroxide	LD50	ca. 300-500 mg/kg	Rat

Component Animal Toxicology

Dermal LD50 value:

1,2-Benzisothiazolin-3-one	LD50	Believed to be > 2,000 mg/kg	Rat
Sodium hydroxide		no data available	

Component Animal Toxicology

Inhalation LC50 value:

1,2-Benzisothiazolin-3-one	Inhalation LC50	no data available
Sodium hydroxide		no data available

Product Animal Toxicity

Oral LD50 value: LD50 = 2,175 mg/kg Rat male LD50 = 1,221 mg/kg Rat female

Dermal LD50 value: LD50 Believed to be > 2,000 mg/kg Rabbit

Inhalation LC50 value: no data available

Skin Irritation: This material is expected to be corrosive

Eye Irritation: Corrosive to eyes

Skin Sensitization: May cause allergic skin sensitization in some individuals

1,2-Benzisothiazolin-3-one This material tested positive for skin sensitization in humans and laboratory animals

Numerical measures of toxicity (such as acute toxicity estimates)

This product is corrosive to all tissues contacted and upon inhalation, may cause irritation to mucous membranes and respiratory tract

Not known or reported to cause reproductive or developmental toxicity

Not known or reported to cause subchronic or chronic toxicity

12 Ecological information

Toxicity

Moderately toxic to fish and other aquatic organisms.

Ecological Toxicity Values for: 1,2-Benzisothiazolin-3-one

Rainbow trout (*Salmo gairderi*), - (flow-through). 96 h LC50 = 1.6 mg/l

Bluegill sunfish - (flow-through). 96 h LC50 = 5.9 mg/l

Daphnia magna, - 48 h EC50 = 3.27 mg/l

Green algae - 72 h EC50 = 0.15 mg/l

Ecological Toxicity Values for: Sodium Hydroxide

Mosquito Fish - 96 h LC50 = 125 mg/l

Bluegill - 48 h LC50 = 99 mg/l

Ecological Toxicity Values for: Ethoxylated 2,4,7,9-tetramethyl 5 decyn-4,7-diol

Skeletonema costatum - 72 h EC50 = 93 mg/l

Other adverse effects

Water hazard class 1 (assessment by list): slightly hazardous for water. Do not allow undiluted product or large quantities

of it to reach ground water, water course or sewage system.

13 Disposal considerations

Disposal methods

Spent or discarded material is not expected to be hazardous waste.

As a nonhazardous waste, it should be disposed of in accordance with local, state and federal regulations.

Potential US EPA Waste Codes: Not applicable

14 Transport information

UN Number

1719

UN Proper Shipping Name

CAUSTIC ALKALI LIQUID, N.O.S.
(Sodium hydroxide, 1,2-Benzisothiazolin-3-one)

Transport hazard class(es)

8

Packing group, if applicable

II

15 Regulatory information

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

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification: Accute Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above 'de minimus' level: None

US California Safe Drinking Water & Toxic Enforcement Act (Proposition 65): This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other harm.

16 Other information

Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.