

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

### 1.1 Product identifier

**Product name** GC-50S2L, GC-50S5K, GCX-4S70

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

**Relevant Identified Use(s)** Cleaning liquid.

### 1.3 Details of the supplier of the safety data sheet

<b>Manufacturer</b>	Brother Industries, Ltd. 15-1 Naeshiro-cho, Mizuho-ku, Nagoya 467-8561, Japan Telephone (for information): +81-52-824-2735
<b>Importer (USA)</b>	Brother International Corporation 200 Crossing Boulevard, Bridgewater, NJ 08807, USA Telephone (for information): +1-877-276-8437
<b>Importer (Europe)</b>	Brother Internationale Industriemaschinen GmbH Dusseldorfer Str. 7-9, D-46446, Emmerich, am Rhein, Germany Telephone (for information): +49-2-822-6090
<b>Importer (Australia)</b>	Brother International (Aust.) Pty. Ltd. ACN 001 393 835 Level 3, Building A, 11 Talavera Road, Macquarie Park, NSW 2113, Australia Telephone (for information): +61-2-9887-4344
<b>Importer (New Zealand)</b>	BROTHER INTERNATIONAL (NZ) LTD. 27 Matarawa Place, Tauriko Business Estate, Tauriko, Tauranga, New Zealand Telephone (for information): +64-7-543-5600
<b>Importer (Singapore)</b>	BROTHER INTERNATIONAL SINGAPORE PTE. LTD. 10 Eunos Road 8, #14-01/02 Singapore Post Centre, Singapore 408600 Telephone (for information): +65-6538-0311
<b>Importer (Asia)</b>	BROTHER MACHINERY ASIA LTD. 12/F, PeakCastle, 476 Castle Peak Road, Kowloon, Hong Kong Telephone (for information): +852-2777-0010
<b>Importer (China)</b>	BROTHER MACHINERY SHANGHAI LTD. Room B, 3/F., No.567, West Tianshan Rd., ChangNing District, Shanghai 200335, P.R.China Telephone (for information): +86-21-2225-6666
<b>E-mail Address</b>	sds.info@brother.co.jp

### 1.4 Emergency telephone number

**Emergency Telephone (24 hours)** CHEMTREC  
+1-703-527-3887 (International)  
+1-800-424-9300 (North America)

For France only:  
Antipoison Center telephone number: ORFILA +33-1-45-425-959

Product name: GC-50S2L, GC-50S5K, GCX-4S70

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Not classified as hazardous

#### Classification according to Directive 1999/45/EC

Not classified as hazardous

#### Australia Classification

Not classified as hazardous according to the criteria of NOHSC

### 2.2 Label elements

#### Labelling according to Directive 1999/45/EC

**Hazard pictograms** None

**Signal Word** None

**Hazard Statements** None

**Precautionary statements** None

**EUH-statements** EUH208 - Contains 1,2-benzisothiazol-3(2H)-one(2634-33-5). May produce an allergic reaction  
EUH210 - Safety data sheet available on request.

### 2.3 Other hazards

This product contains no substance considered to be very persistent nor very bioaccumulating (vPvB). This product contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description of the mixture:** Water based Mixture.

Chemical Name	CAS-No	EC-No	w/w%	Classification (67/548/EEC)	Classification (EU Reg. 1272/2008)
1,2-benzisothiazol-3(2H)-one	2634-33-5	220-120-9	< 0.05	Xn; R22 Xi; R41 Xi; R38 R43 N; R50	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400

For the full text of R-phrases and H-Statements see Section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice	If symptoms persist, obtain medical attention.
Inhalation	Obtain immediate medical attention. In case of accident by inhalation remove casualty to fresh air and keep at rest.
Skin contact	Remove contaminated clothing immediately and wash affected skin with plenty of water or soap and water.
Eye contact	Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.
Ingestion	Obtain immediate medical attention. Wash out mouth with water and give 100-200 ml of water to drink.

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

Skin contact: Repeated and/or prolonged skin contact may cause irritation.  
Eye contact: May cause eye irritation. Tears. Reddening.  
Inhalation: May be harmful if inhaled.  
Ingestion: Nausea, headache, vomiting. Effects may be delayed.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable Extinguishing Media	None.
Unsuitable Extinguishing Media	None.

### 5.2 Special hazards arising from the substance or mixture

Water based inkjet ink. Non-flammable. Non-combustible.

### 5.3 Advice for firefighters

None.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing. Gloves and eye/face protection.

### 6.2 Environmental precautions

Avoid release to the environment. Do not allow to enter drains, sewers or water courses.

### 6.3 Methods and materials for containment and cleaning up

Small spillage: Wash spill area with soapy water. To be disposed of as hazardous waste.  
Large spillage: Absorb spillages onto sand, earth or any suitable adsorbent material. To be disposed of as hazardous waste.

### 6.4 Reference to other sections

For personal protection: See section 8.  
For disposal considerations: See section 13.

## SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**      Wear suitable respiratory protective equipment. Avoid contact with skin and eyes.
- 7.2 Conditions for safe storage, including any incompatibilities**      Keep container tightly closed. Avoid leaking, rolling or dropping.
- 7.3 Specific end use(s)**      Cleaning liquid.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control Parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

**Appropriate engineering controls**      Good general ventilation should be sufficient under normal use.

Eye Protection	Safety goggles.
Hand Protection	Protective gloves.
Skin and body protection	Long sleeved clothing and long pants.
Respiratory protection	Wear suitable respiratory protective equipment.

**Environmental Exposure Controls**      Avoid release to the environment.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Color	Colorless
Odor	Slight
Odor Threshold	No information available
pH	8 - 9
Melting point/freezing point	No information available
Initial boiling point and boiling range	> 100 °C
Flash Point	Does not flash at 93.3°C or lower (closed cup)
Evaporation rate	No information available
Flammability (solid, gas)	Not applicable
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	1.0 - 1.1 (H <sub>2</sub> O=1)
Solubility(ies)	Miscible (water)
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available
Viscosity	No information available
Explosive properties	Not explosive
Oxidizing properties	No information available

### 9.2 Other information

No information available.

## SECTION 10: Stability and reactivity

10.1 Reactivity	No information available.
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	No information available.
10.4 Conditions to avoid	No information available.
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Hazardous decomposition products	No information available.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Inhalation	No information available.
Eye contact	No information available.
Skin contact	No information available.
Ingestion	No information available.

**Skin corrosion/irritation** No information available.

**Serious eye damage/irritation** No information available.

**Respiratory or skin sensitisation** No information available.

**Mutagenicity** No information available.

**Carcinogenicity** No information available.

## SECTION 12: Ecological information

**12.1 Toxicity** No information available.

**12.2 Persistence and degradability** No information available.

**12.3 Bioaccumulative potential** No information available

**12.4 Mobility in soil** No information available.

**12.5 Results of PBT and vPvB assessment** This product contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).  
This product contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

**12.6 Other adverse effects** No information available

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods** Dispose of in accordance with Federal, State, and local regulations.

## SECTION 14: Transport information

Not classified according to the United Nations "Recommendations on the Transport of Dangerous Goods"

<b>14.1 UN Number</b>	None
<b>14.2 UN proper shipping name</b>	None
<b>14.3 Transport hazard class(es)</b>	None
<b>14.4 Packing Group</b>	None
<b>14.5 Environmental hazards</b>	None
<b>14.6 Special precautions for user</b>	None
<b>14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code</b>	Not applicable

## SECTION 15: Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<p><b>EU:</b> Not classified as dangerous for supply/use. (1999/45/EC)</p> <p><b>USA:</b> All chemical substances contained in this product are and had been listed on the TSCA Chemical Substances Inventory, and none is subject to any of the following TSCA requirements: section 4 test rules; proposed or final section 5(a)(2) significant new use rules; section 5(e) consent orders; section 8(a) preliminary assessment information rules; and section 8(d) health and safety data reporting rules.</p> <p><b>Canada:</b> WHMIS: Not applicable. (Manufactured article)</p>
<b>15.2 Chemical Safety Assessment</b>	No.

## SECTION 16: Other information

<b>Full text of R-phrases referred to under sections 2 and 3</b>	<p>R22 - Harmful if swallowed</p> <p>R38 - Irritating to skin</p> <p>R41 - Risk of serious damage to eyes</p> <p>R43 - May cause sensitisation by skin contact</p> <p>R50 - Very toxic to aquatic organisms</p>
<b>Full text of H-Statements referred to under section 3</b>	<p>H302 - Harmful if swallowed</p> <p>H315 - Causes skin irritation</p> <p>H317 - May cause an allergic skin reaction</p> <p>H318 - Causes serious eye damage</p> <p>H400 - Very toxic to aquatic life</p>
<b>Additional information</b>	The information relates only to this product. It may not be valid, if used in combination with any other materials or in any other process, and it is based on our best knowledge as of the date of preparation (revision).
<b>Revision Note</b>	Section1
<b>References:</b>	<p>U.S. 29CFR Part 1910</p> <p>ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices</p> <p>IARC Monographs on the Evaluation Carcinogenic Risks to Humans World Health Organization</p> <p>EU Directive 91/322/EEC and 2000/39/EC</p> <p>NTP 11th Report on Carcinogens</p>

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**Abbreviations:**

ACGIH: American Conference of Governmental Industrial Hygienists  
ADR: European Agreement concerning the International carriage of Dangerous goods by Road (EU)  
DOT: Department Of Transportation (US)  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association  
IMDG: International Maritime Dangerous Goods  
NOHSC: National Occupational Health and Safety Commission (Australia)  
NTP: National Toxicology Program (US)  
OSHA: Occupational Safety and Health Administration (US)  
PEL: Permissible Exposure Limit  
RID: Regulations concerning the International carriage of goods by Rail (EU)  
TLV: Threshold Limit Value (ACGIH)  
TSCA: Toxic Substances Control Act (US)  
WHMIS: Workplace Hazardous Material Information System (Canada)