



Kit Revision Date: 11/21/2025

8330S SILVER CONDUCTIVE EPOXY ADHESIVE KIT

MG Chemicals Multipart Product Kit

This product is a kit made up of multiple parts. Each part is an independently packaged chemical component and has independent hazard assessments.

Kit Content

<i>Part</i>	<i>Product Name</i>	<i>Product Use</i>
A	8330S-A	Epoxy Resin
B	8330S-B	Epoxy hardener

Safety Data Sheets for each part listed above follow this cover sheet.

Transportation Instruction

Before offering this product kit for transport, read Section 14 for all parts listed above.

Safety data sheet according to UK REACH

Page 1/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

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

· 1.1 Product identifier

· Trade name: 8330S-A

- Other Means of Identification: Silver Conductive Epoxy Adhesive
- Related Part Number: 8330S-Part A, 8330S-12G, 8330S-50ML, 8330S-200ML
- UFI: UQG0-G0XT-900N-FM37

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

- Application of the substance / the mixture Epoxy resin adhesive
- Uses advised against Not available

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

MG Chemicals Ltd. (Head Office)
1210 Corporate Drive
Burlington, Ontario L7L 5R6
CANADA
+(1) 905-331-1396
info@mgchemicals.com

MG Chemicals
Heame House, 23 Bliston Street
Sedgely Dudley DY3 1JA.
United Kingdom
+(44) 1663 362888

MG Chemicalst Ltd.
18-20, Msida Road,
Gzira, GZR 1401
MALTA

- Further information obtainable from: sds@mgchemicals.com

· 1.4 Emergency telephone number:

Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

3E (Access code: 335388)
+(44) 20 3514787
+(1) 760 476 3961
UK Toll free: +(0) 800 680 0425

* SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

- | | |
|-------------------|--|
| Skin Irrit. 2 | H315 Causes skin irritation. |
| Eye Irrit. 2 | H319 Causes serious eye irritation. |
| Skin Sens. 1 | H317 May cause an allergic skin reaction. |
| Aquatic Acute 1 | H400 Very toxic to aquatic life. |
| Aquatic Chronic 1 | H410 Very toxic to aquatic life with long lasting effects. |

(Contd. on page 2)

— GB —

Safety data sheet

according to UK REACH

Page 2/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

(Contd. of page 1)

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS07 GHS09

Signal word Warning

Hazard-determining components of labelling:

phenol, polymer with formaldehyde, glycidyl ether
1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye 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.
P337+P313 If eye irritation persists: Get medical advice.
P501 Dispose of contents and container in accordance with local, regional, and national regulations.

2.3 Other hazards

Long term exposure to silver powder or compounds can lead to an irreversible blue-grey discoloration of the skin.

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

Determination of endocrine-disrupting properties Endocrine Disruptor substance $\geq 0.1\%$ = none

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 7440-22-4 EINECS: 231-131-3	Silver (Powder)  Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	78.0%
CAS: 28064-14-4	phenol, polymer with formaldehyde, glycidyl ether Alternative CAS number: 9003-36-5  Aquatic Chronic 2, H411;  Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	20.0%

(Contd. on page 3)

— GB —

Safety data sheet according to UK REACH

Page 3/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

CAS: 17557-23-2 EINECS: 241-536-7 Index number: 603-094-00-7	1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane  Skin Irrit. 2, H315; Skin Sens. 1, H317	(Contd. of page 2) 2.0%
--	--	----------------------------

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **After inhalation:**

Remove person to fresh air and keep comfortable for breathing.
If feeling unwell: Call a POISON CENTRE or doctor.

· **After skin contact:**

Wash with plenty water.
If skin irritation or rash occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.

· **After eye contact:**

Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice or attention.

· **After swallowing:**

Rinse mouth.
Do NOT induce vomiting.
If symptoms persist consult doctor.

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

If exposed to metal fumes, chills and fever-like symptoms may occur 4-12 hours after exposure.

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

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· 5.2 Special hazards arising from the substance or mixture

Not flammable or combustible, but burns if involved in a fire. Produces irritating smoke of unknown toxicity in fires.

Prevent fire-fighting wash from entering waterway or sewer system.

Inhalation of metal fumes may cause metal fever and irritate the respiratory tract.

The flu-like symptoms of metal fever may be delayed, occurring 4 to 12 hours after exposure.

· **Hazardous combustion products:**

Carbon Oxides (COx)
toxic metal fumes

· 5.3 Advice for firefighters

· **Protective equipment:** Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

— GB —

(Contd. on page 4)

Safety data sheet according to UK REACH

Page 4/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

(Contd. of page 3)

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing fumes or dust.

Remove or keep away all sources of extreme heat or open flames.

· 6.2 Environmental precautions:

Avoid release to the environment.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Not readily flowable.

Collect in a sealable, chemical-resistant container.

Wipe the residues with a paper towel and place dirty towels in container.

Use soap and water to remove the last traces of residue.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

* SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Wear protective gloves and eye protection.

Wash hands and exposed skin thoroughly after handling.

Take off contaminated clothing and wash it before reuse.

Collect spillage.

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

Avoid breathing fumes or dust.

· **Information about fire - and explosion protection:** No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Keep in a dry and clean area, away from incompatible substances

DO NOT FREEZE. Store in a clean and dry area between 5 to 35 °C.

· Information about storage in one common storage facility:

 Not required.

· **Further information about storage conditions:** Keep container tightly sealed.

· **Storage class:** 11

· 7.3 Specific end use(s) See section 1.2

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· Additional information:

The lists valid during the making were used as basis.

Refer to the national or regional occupational exposure limit regulation for abbreviations and acronyms.

(Contd. on page 5)

Safety data sheet

according to UK REACH

Page 5/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

(Contd. of page 4)

8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
 - **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - **Respiratory protection:**
 - If the product is heated or worker has a known allergic reaction, consider using a full mask with organic vapor cartridge or with an independent air supply.
 - **Hand protection**
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.



Protective gloves: EN374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection**



Safety glasses or tightly sealed goggles: EN 166

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|---|-----------------|
| · Physical state | Solid |
| · Form: | Pasty |
| · Colour: | Silver grey |
| · Odour: | Light |
| · Odour threshold: | Not determined. |
| · Melting point/freezing point: | Undetermined. |
| · Boiling point or initial boiling point and boiling range | Undetermined. |
| · Flammability | Non flammable |
| · Lower and upper explosion limit | |
| · Lower: | Not applicable |

(Contd. on page 6)

— GB —

Safety data sheet

according to UK REACH

Page 6/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

(Contd. of page 5)

· Upper:	Not applicable
· Flash point:	127 °C
· Auto-ignition temperature:	Not determined
· Decomposition temperature:	Not determined.
· pH	Not applicable.
· Viscosity:	
· Kinematic viscosity	Not applicable.
· Dynamic:	Not applicable.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Relative density at 20 °C:	3.54
· Vapour density (air=1):	Not applicable.
· Particle characteristics	See section 3.
· 9.2 Other information	
· 9.2.1 Information with regard to physical hazard classes	Not applicable
· 9.2.2 Other safety characteristics	
· Evaporation rate	Not applicable.
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	Not available

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Reacts exothermically with amines.
- **10.2 Chemical stability** Chemically stable at normal temperatures and pressures.
 - **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid**
Avoid direct sunlight, high temperatures, open flames, sparks and incompatible substances.
Do not use in away that forms mist or aerosolizes the product.
- **10.5 Incompatible materials:**
Strong acids
Strong oxidizing agents
alkali
Strong bases
- **10.6 Hazardous decomposition products:**
No dangerous decomposition products known.
Hazardous combustion products: see section 5.

— GB —

(Contd. on page 7)

Safety data sheet

according to UK REACH

Page 7/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

(Contd. of page 6)

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

7440-22-4 Silver (Powder)		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	≥5.16 mg/L / ≥4 h (rat)
28064-14-4 phenol, polymer with formaldehyde, glycidyl ether		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
17557-23-2 1,3-bis(2,3-epoxypropoxy)-2,2-dimethylpropane		
Oral	LD50	2,000 mg/kg (rat)
Dermal	LD50	2,150 mg/kg (rabbit)

Primary irritant effect:

- Skin corrosion/irritation Causes skin irritation.
- Serious eye damage/irritation Causes serious eye irritation.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

Summary of Effects and Symptoms by Routes of Exposure

- Eyes: redness, serious irritation
- Skin:
 - rash, allergic contact dermatitis
 - redness, irritation
 - dry skin
- Inhalation:
 - Inhalation of fumes may cause metal fever and irritate the respiratory tract.
 - The flu-like symptoms of metal fume fever may be delayed, occurring 4–12 hours after exposure.
 - cough
 - may cause mild respiratory irritation
 - sore throat
- Swallowed:
 - abdominal discomfort
 - nausea
 - vomiting

Subacute to chronic toxicity:

- Delayed and immediate effects as well as chronic effects from short and long-term exposure
 - Prolonged and repeated exposure to uncured epoxy hardener may lead to skin sensitization.
 - Exposure to silver powder may also cause argyria, an irreversible blue-grey discoloration of the skin.

(Contd. on page 8)

— GB —

Safety data sheet

according to UK REACH

Page 8/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

(Contd. of page 7)

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Very toxic to aquatic life with long lasting effect.
Avoid release to the environment.
Collect spillage.

28064-14-4 phenol, polymer with formaldehyde, glycidyl ether

LC50 96h	>1–≤10 mg/L (not defined) In Europe, similar epoxy resin mixtures with CAS 28064-14-4 are generally classified as chronic category 2 marine pollutant due to LC50 96 h of >1 mg/L but ≤10 mg/L.
----------	--

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

- Remark: Very toxic for fish
- Additional ecological information:
 - General notes:
 - Very toxic for aquatic organisms
 - Also poisonous for fish and plankton in water bodies.
 - Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
 - Do not allow product to reach ground water, water course or sewage system.
 - Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Recommendation This material and its container must be disposed of as hazardous waste.

European waste catalogue

HP4	Irritant - skin irritation and eye damage
HP13	Sensitising
HP14	Ecotoxic

(Contd. on page 9)

—GB—

Safety data sheet

according to UK REACH

Page 9/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

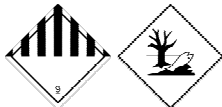
(Contd. of page 8)

Uncleaned packaging:

Recommendation:

Containers may still present a chemical hazard/ danger when empty.
Dispose of contents in accordance with all local, regional, national, and international regulations.
Where possible retain label warnings and SDS and observe all notices pertaining to the product.

SECTION 14: Transport information

14.1 UN number or ID number - ADR, IMDG, IATA	UN3077
14.2 UN proper shipping name - ADR - IMDG - IATA	NOT REGULATED by road ADR Special Provision 375 for sizes 5 kg or less. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Silver (Powder), phenol, polymer with formaldehyde, glycidyl ether) NOT REGULATED for sea freight IMDG according to 2.10.2.7 for sizes up to 5 kg. ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Silver (Powder), phenol, polymer with formaldehyde, glycidyl ether) NOT REGULATED by Air IATA Special Provision A197 for sizes 5kg or less. Environmentally hazardous substance, solid, n.o.s. (Silver (Powder), phenol, polymer with formaldehyde, glycidyl ether)
14.3 Transport hazard class(es) - ADR, IMDG  - Class - Label	9 Miscellaneous dangerous substances and articles. 9
- IATA  - Class - Label	9 Miscellaneous dangerous substances and articles. 9
14.4 Packing group - ADR, IMDG, IATA	III

(Contd. on page 10)

GB

Safety data sheet

according to UK REACH

Page 10/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

(Contd. of page 9)

· 14.5 Environmental hazards:	
· Marine pollutant: · Special marking (ADR): · Special marking (IATA):	MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS ENVIRONMENTALLY HAZARDOUS Symbol (fish and tree)
· 14.6 Special precautions for user	
· Hazard identification number (Kemler code): · EMS Number: · Stowage Category · Stowage Code	Not applicable. 90 F-A,S-F A SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
· 14.7 Maritime transport in bulk according to IMO instruments	
Not applicable.	
· Transport/Additional information:	

· ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g 3 (-)

· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SILVER (POWDER), PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER), 9, III

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 - Poisons Act

· Regulated explosives precursors (Part 1)
None of the ingredients is listed.
· Regulated poisons (Part 2)
None of the ingredients is listed.

(Contd. on page 11)

—GB—

Safety data sheet

according to UK REACH

Page 11/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

(Contd. of page 10)

· Reportable explosives precursors (Part 3)
None of the ingredients is listed.
· Reportable poisons (Part 4)
None of the ingredients is listed.
· Directive 2012/18/EU
· Named dangerous substances - ANNEX I None of the ingredients is listed.
· Seveso category E1 Hazardous to the Aquatic Environment
· Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
· Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.
· Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.
· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.
· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: 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.

· Relevant phrases

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

· Classification according to Regulation (EC) No 1272/2008	
Skin corrosion/irritation Serious eye damage/irritation Skin sensitisation Hazardous to the aquatic environment - short-term (acute) aquatic hazard Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- **Department issuing SDS:** Regulatory department
- **Contact:** sds@mgchemicals.com
- **Date of previous version:** 17.05.2024

(Contd. on page 12)

— GB —

Safety data sheet according to UK REACH

Page 12/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-A

(Contd. of page 11)

· **Version number of previous version: 5.00**

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· *** Data compared to the previous version altered.**

— GB —

Safety data sheet according to UK REACH

Page 1/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

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

· 1.1 Product identifier

· Trade name: 8330S-B

- Other Means of Identification: Silver Conductive Epoxy Adhesive
- Related Part Number: 8330S-Part B, 8330S-21G (B), 8330S-50ML (B), 8330S-200ML (B)
- UFI: UGE0-C00G-A00S-8QXJ

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

- Application of the substance / the mixture Epoxy Hardener
- Uses advised against Not available

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

MG Chemicals Ltd. (Head Office)
1210 Corporate Drive
Burlington, Ontario L7L 5R6
CANADA
+(1) 905-331-1396
info@mgchemicals.com

MG Chemicals
Heame House, 23 Bliston Street
Sedgely Dudley DY3 1JA.
United Kingdom
+(44) 1663 362888

MG Chemicalst Ltd.
18-20, Msida Road,
Gzira, GZR 1401
MALTA

- Further information obtainable from: sds@mgchemicals.com

· 1.4 Emergency telephone number:

Members of the public seeking specific information on poisons should contact:
In England and Wales: NHS 111 - dial 111
In Scotland: NHS 24 - dial 111

3E (Access code: 335388)
+(44) 20 3514787
+(1) 760 476 3961
UK Toll free: +(0) 800 680 0425

* SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

- | | |
|-------------------|--|
| Skin Irrit. 2 | H315 Causes skin irritation. |
| Eye Dam. 1 | H318 Causes serious eye damage. |
| Skin Sens. 1 | H317 May cause an allergic skin reaction. |
| Aquatic Acute 1 | H400 Very toxic to aquatic life. |
| Aquatic Chronic 1 | H410 Very toxic to aquatic life with long lasting effects. |

(Contd. on page 2)

— GB —

Safety data sheet

according to UK REACH

Page 2/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 1)

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS05 GHS07 GHS09

Signal word Danger

Hazard-determining components of labelling:

fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines
3,3'-(oxybis(2,1-ethane-diylxy))bis-1-propanamine
triethylenetetramine

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P310 Immediately call a POISON CENTER or doctor.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents and container in accordance with local, regional, and national regulations.

2.3 Other hazards

Long term exposure to silver powder or compounds can lead to an irreversible blue-grey discoloration of the skin.

Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

Determination of endocrine-disrupting properties Endocrine Disruptor substance $\geq 0.1\%$ = none

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 7440-22-4	Silver (Powder)	76.0%
EINECS: 231-131-3	 Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	

(Contd. on page 3)

GB

Safety data sheet according to UK REACH

Page 3/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 2)		
CAS: 68541-13-9	fatty acids, c18-unsat, dimer, polymers, w/3,3'-(oxybis(2,1-ethane-diyloxy))bis-1-propanamine ⚠ Eye Irrit. 2, H319	12.0%
CAS: 68410-23-1	fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	9.0%
CAS: 4246-51-9	3,3'-(oxybis(2,1-ethane-diyloxy))bis-1-propanamine ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317	2.0%
CAS: 112-24-3 EINECS: 203-950-6 Index number: 612-059-00-5	triethylenetetramine ⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	<0.1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· After inhalation:

Remove person to fresh air and keep comfortable for breathing.
If feeling unwell: Call a POISON CENTRE or doctor.

· After skin contact:

Wash with plenty water.
If skin irritation or rash occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.

· After eye contact:

Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a POISON CENTER or doctor.

· After swallowing:

Rinse mouth.
Do NOT induce vomiting.
If symptoms persist consult doctor.

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

If exposed to metal fumes, chills and fever-like symptoms may occur 4-12 hours after exposure.

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

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

· 5.2 Special hazards arising from the substance or mixture

The flu-like symptoms of metal fever may be delayed, occurring 4 to 12 hours after exposure.
Not flammable or combustible, but burns if involved in a fire. Produces irritating smoke of unknown toxicity in fires.
Prevent fire-fighting wash from entering waterway or sewer system.
Inhalation of metal fumes may cause metal fever and irritate the respiratory tract.

(Contd. on page 4)

— GB —

Safety data sheet according to UK REACH

Page 4/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 3)

- **Hazardous combustion products:**
 - Carbon Oxides (COx)
 - toxic metal fumes
 - Zinc oxides
 - ammonia
 - Nitrogen Oxides (NOx)
 - nitric acid
- **5.3 Advice for firefighters**
 - **Protective equipment:** Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.
Avoid breathing mist, spray, or vapors.
- **6.2 Environmental precautions:**

Avoid release to the environment.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**

Not readily flowable.
Collect in a sealable, chemical-resistant container.
Wipe the residues with a paper towel and place dirty towels in container.
Use soap and water to remove the last traces of residue.
- **6.4 Reference to other sections**

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Wear protective gloves and eye protection.
Wash hands and exposed skin thoroughly after handling.
Take off contaminated clothing and wash it before reuse.
Collect spillage.
Contaminated work clothing should not be allowed out of the workplace.
Avoid breathing fumes or dust.

 - **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:**

Keep in a dry and clean area, away from incompatible substances
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** Keep container tightly sealed.
 - **Storage class:** 11

(Contd. on page 5)

—GB—

Safety data sheet according to UK REACH

Page 5/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 4)

- **7.3 Specific end use(s)** See section 1.2

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:**

The lists valid during the making were used as basis.

Refer to the national or regional occupational exposure limit regulation for abbreviations and acronyms.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

If the product is heated or worker has a known allergic reaction, consider using a full mask with organic vapor cartridge or with an independent air supply.

· **Hand protection**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.



Protective gloves: EN374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**



Safety glasses or tightly sealed goggles: EN 166

— GB —

(Contd. on page 6)

Safety data sheet

according to UK REACH

Page 6/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 5)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Physical state	Solid
· Form:	Pasty
· Colour:	Silver grey
· Odour:	Amine-like
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	221 °C
· Flammability	Non flammable
· Lower and upper explosion limit	
· Lower:	Not applicable
· Upper:	Not applicable
· Flash point:	93 °C
· Auto-ignition temperature:	321 °C
· Decomposition temperature:	Not determined.
· pH	Not applicable.
· Viscosity:	
· Kinematic viscosity	Not applicable.
· Dynamic:	Not applicable.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Relative density at 20 °C:	2.83
· Vapour density (air=1):	Not applicable.
· Particle characteristics	See section 3.

· 9.2 Other information

· 9.2.1 Information with regard to physical hazard classes

Not applicable

· 9.2.2 Other safety characteristics

· Evaporation rate	Not applicable.
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	Not available
· Solids content:	100.0 %

SECTION 10: Stability and reactivity

· 10.1 Reactivity

Reacts exothermically with ketones, halogenated hydrocarbons, cyanides, nitriles, and epoxides.
May form explosive peroxides.

· 10.2 Chemical stability Chemically stable at normal temperatures and pressures.

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions No dangerous reactions known.

(Contd. on page 7)

— GB —

Safety data sheet according to UK REACH

Page 7/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 6)

- **10.4 Conditions to avoid** Avoid ignition sources, open flames, and incompatible substances.
- **10.5 Incompatible materials:**
 - Strong oxidizing agents
 - Strong acids
 - Peroxides
- **10.6 Hazardous decomposition products:**
 - No dangerous decomposition products known.
 - Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
 - **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:		
7440-22-4 Silver (Powder)		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	≥5.16 mg/L / ≥4 h (rat)
4246-51-9 3,3'-(oxybis(2,1-ethane-diyloxy))bis-1-propanamine		
Oral	LD50	4,310 mg/kg (rat)
Dermal	LD50	2,510 mg/kg (rabbit)
112-24-3 triethylenetetramine		
Oral	LD50	2,500 mg/kg (rat)
Dermal	LD50	805 mg/kg (rabbit)

- **Primary irritant effect:**
 - **Skin corrosion/irritation** Causes skin irritation.
 - **Serious eye damage/irritation** Causes serious eye damage.
 - **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Summary of Effects and Symptoms by Routes of Exposure**
 - **Eyes:**
 - eye damage, pain
 - redness, serious irritation
 - **Skin:**
 - rash, allergic contact dermatitis
 - redness, irritation
 - **Inhalation:**
 - Inhalation of fumes may cause metal fever and irritate the respiratory tract.
 - The flu-like symptoms of metal fume fever may be delayed, occurring 4–12 hours after exposure.
 - **Swallowed:** none known or expected

(Contd. on page 8)

— GB —

Safety data sheet

according to UK REACH

Page 8/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 7)

· Subacute to chronic toxicity:

- **Delayed and immediate effects as well as chronic effects from short and long-term exposure**
Prolonged and repeated exposure to uncured epoxy hardener may lead to skin sensitization.
Exposure to silver powder may also cause argyria, an irreversible blue-grey discoloration of the skin.

· 11.2 Information on other hazards

· Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:**

Very toxic to aquatic life with long lasting effect.
Avoid release to the environment.
Collect spillage.

4246-51-9 3,3'-(oxybis(2,1-ethane-diylloxy))bis-1-propanamine	
LC50 96h	>1,000 mg/L (fish)
112-24-3 triethylenetetramine	
EC50/ 48 h	24 mg/L (daphnia)
LC50 96h	420 mg/L (guppy)
IC50 72h	2 mg/L (algae)

· 12.2 Persistence and degradability No further relevant information available.

· 12.3 Bioaccumulative potential No further relevant information available.

· 12.4 Mobility in soil No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

- **Remark:** Very toxic for fish
- **Additional ecological information:**
 - **General notes:**
Very toxic for aquatic organisms
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Also poisonous for fish and plankton in water bodies.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

— GB —

(Contd. on page 9)

Safety data sheet

according to UK REACH

Page 9/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 8)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Recommendation This material and its container must be disposed of as hazardous waste.

European waste catalogue

HP4	Irritant - skin irritation and eye damage
HP14	Ecotoxic

Uncleaned packaging:

Recommendation:

Containers may still present a chemical hazard/ danger when empty.
Dispose of contents in accordance with all local, regional, national, and international regulations.
Where possible retain label warnings and SDS and observe all notices pertaining to the product.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

UN3077

14.2 UN proper shipping name

ADR

NOT REGULATED by road ADR Special Provision 375 for sizes 5 kg or less.
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Silver (Powder))

IMDG

NOT REGULATED for sea freight IMDG according to 2.10.2.7 for sizes up to 5 kg.
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Silver (Powder))

IATA

NOT REGULATED by Air IATA Special Provision A197 for sizes 5kg or less.
Environmentally hazardous substance, solid, n.o.s. (Silver (Powder))

14.3 Transport hazard class(es)

ADR, IMDG



Class

9 Miscellaneous dangerous substances and articles.

Label

9

IATA



Class

9 Miscellaneous dangerous substances and articles.

(Contd. on page 10)

GB

Safety data sheet

according to UK REACH

Page 10/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 9)

· Label	9
· 14.4 Packing group · ADR, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA):	MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS ENVIRONMENTALLY HAZARDOUS Symbol (fish and tree)
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category · Stowage Code	Not applicable. 90 F-A,S-F A SW23 When transported in BK3 bulk container, see 7.6.2.12 and 7.7.3.9.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g 3 (-)
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5 kg Code: E1 Maximum net quantity per inner packaging: 30 g Maximum net quantity per outer packaging: 1000 g
· UN "Model Regulation":	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (SILVER (POWDER)), 9, III

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 - Poisons Act

· Regulated explosives precursors (Part 1)
None of the ingredients is listed.

(Contd. on page 11)

—GB—

Safety data sheet

according to UK REACH

Page 11/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 10)

· Regulated poisons (Part 2)
None of the ingredients is listed.
· Reportable explosives precursors (Part 3)
None of the ingredients is listed.
· Reportable poisons (Part 4)
None of the ingredients is listed.
· Directive 2012/18/EU
· Named dangerous substances - ANNEX I None of the ingredients is listed.
· Seveso category E1 Hazardous to the Aquatic Environment
· Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
· Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.
· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.
· Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.
· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* SECTION 16: 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.

- **Relevant phrases**
 - H312 Harmful in contact with skin.
 - H314 Causes severe skin burns and eye damage.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.
 - H411 Toxic to aquatic life with long lasting effects.
 - H412 Harmful to aquatic life with long lasting effects.

(Contd. on page 12)

— GB —

Safety data sheet

according to UK REACH

Page 12/12

Printing date 21.11.2025

Version number 6.00 (replaces version 5.00)

Revision: 31.01.2025

Trade name: 8330S-B

(Contd. of page 11)

· Classification according to Regulation (EC) No 1272/2008	
Skin corrosion/irritation Serious eye damage/irritation Skin sensitisation Hazardous to the aquatic environment - short-term (acute) aquatic hazard Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Department issuing SDS:** Regulatory department

· **Contact:** sds@mgchemicals.com

· **Date of previous version:** 17.05.2024

· **Version number of previous version:** 5.00

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· *** Data compared to the previous version altered.**

— GB —