



Safety Data Sheet

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PATTEX CLEAR QUICKSET EPOXY #23

SDS No. : 485969

V001.2

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Section 1. Identification of the substance/preparation and of the company/undertaking

Product name:

PATTEX CLEAR QUICKSET EPOXY #23

Other means of identification:

PATTEX CLEAR QUICKSET EPOXY #23

Product code:

IDH2055193

Recommended use of the chemical and restrictions on use

Intended use:

Reagent

Identification of manufacturer, importer or distributor

Manufacturer: Henkel Australia Pty. Ltd., Kilsyth, 135-141 Canterbury Road, 3137 Kilsyth, VIC, Australia. Phone: +61-3-9724-6444

Importer: OJO Global Trading Co.,Ltd. Unit 322, 219/2, 3rd Floor, Asoke Towers, Soi Asoke, Sukhumvit 21 Road, North Klongtoey, Wattana, Bangkok 10110
Tel: +662-1209631 Fax: +662-1209609

E-mail address of person responsible for Safety Data Sheet:

ap-ua-psra.sea@henkel.com

Emergency information:

FOR EMERGENCIES ONLY (Spill, major leak, Fire, Exposure, or Accident). Call CHEMTREC: +1 703-741-5970

Section 2. Hazards identification

GHS Classification:

<u>Hazard Class</u>	<u>Hazard Category</u>
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Acute hazards to the aquatic environment	Category 1
Chronic hazards to the aquatic environment	Category 1

GHS label elements:

Hazard pictogram:



Signal word:

Warning

Hazard statement:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

Precaution:

Prevention:

P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

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.
P332+P313 If skin irritation 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.
P391 Collect spillage.

Disposal:

P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section 3. Composition / information on ingredients

Substance or Mixture:

Mixture

Declaration of hazardous chemical:

Hazard component CAS-No.	Content	GHS Classification
Silver nitrate 7761-88-8	1- 10 %	Oxidizing solids 2 H272 Skin corrosion/irritation 1 H314 Acute hazards to the aquatic environment 1 H400 Chronic hazards to the aquatic environment 1 H410

Section 4. First aid measures

Inhalation:

Move to fresh air.
Seek medical advice.

Skin contact:

In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water.
Seek medical advice.

Eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical advice.

Ingestion:

Do not induce vomiting.
Rinse out mouth. Do not drink.
Seek medical advice.

Section 5. Fire fighting measures

Suitable extinguishing media:

Water spray (fog), foam, dry chemical or carbon dioxide.

Improper extinguishing media:

Water spray jet

Combustion behaviour:

Non-flammable (aqueous solution). In case of fire toxic gases can proceed after evaporation of water and further heating of the product.

Special protection equipment and precautions for firefighters:

Wear full protective clothing.
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Hazardous combustion products:

Thermal decomposition can lead to release of irritating gases and vapors.
Oxides of nitrogen.
Silver oxides.

Additional fire fighting advice:

In case of fire, keep containers cool with water spray.

Section 6. Accidental release measures

Personal precautions:

Ensure adequate ventilation.
Keep unprotected persons away.
Avoid skin and eye contact.
Adequate personal protective equipment should be worn by all personnel involved in the clean-up work.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Clean-up methods:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Sweep up or gather material and place in appropriate container for disposal.

Section 7. Handling and storage

Handling:

Ensure that workrooms are adequately ventilated.
Keep container tightly sealed.
Avoid skin and eye contact.
Wear suitable protective clothing, gloves and eye/face protection.
Use good hygiene practices when handling this material, including changing and laundering work clothes after use. Discard contaminated shoes and leather goods.

Storage:

Store only in the original container.
Keep container tightly sealed.
Store in a cool, well-ventilated place.
Isolate from incompatible substances.
Keep away from heat and direct sunlight.

Section 8. Exposure controls / personal protection

Components with specific control parameters for workplace:

SILVER, SOLUBLE COMPOUNDS, AS AG 7761-88-8	Value type	Time Weighted Average (TWA):
	mg/m³	0.01
	Remarks	ACGIH

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Hand protection:

Impervious gloves should be used at all times when handling this product.
Please note that in practice the working life of chemical resistant gloves may be considerably reduced as a result of many influencing factors (e.g. temperature). Suitable risk assessment should be carried out by the end user. If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

For eye protection, use tightly fitted safety goggles and a face-shield

Body protection:

Use of an impervious apron is recommended.
Protective clothing that covers arms and legs.

Engineering controls:

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

General protection and hygiene measures:

Eyewash fountains and emergency showers are required.

Hygienic measures:

Wash hands before work breaks and after finishing work.
Do not eat, drink or smoke while working.

Section 9. Physical and chemical properties

Appearance:	colourless clear, liquid
Odor:	None
Odor threshold (CA):	No data available.
pH:	3 - 4
Melting point / freezing point:	No data available.
Specific gravity:	No data available.
Boiling point:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Lower explosive limit:	No data available.
Upper explosive limit:	No data available.
Vapor pressure:	No data available.

Vapor density:	No data available.
Density:	1.01 - 1.03 g/cm ³
Solubility:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto ignition:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
VOC content:	No data available.

Section 10. Stability and reactivity

Reactivity/Incompatible materials:

Oxidizing agents.

Copper.

Alkalis.

Aluminum.

Alcohols.

Chemical stability:

Stable under recommended storage conditions.

Conditions to avoid:

Extremes of temperature.

Excessive heat.

Protect from direct sunlight.

Hazardous decomposition products:

Thermal decomposition can lead to release of irritating gases and vapors.

Oxides of nitrogen.

Section 11. Toxicological information

Symptoms of Overexposure: Causes serious eye irritation.
Irritating to the skin.
May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Irritating to respiratory system

Skin corrosion/irritation:

Silver nitrate 7761-88-8	Result	highly irritating
	Exposure time	0.5 h
	Species	rabbit
	Method	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Section 12. Ecological information

General ecological information: Do not empty into drains / surface water / ground water.

Ecotoxicity: Very toxic to aquatic life with long lasting effects.

Toxicity:

Silver nitrate 7761-88-8	Value type	LC50
	Value	0.006 mg/l
	Acute Toxicity Study	Fish
	Exposure time	96 h
	Species	Oncorhynchus mykiss
	Method	OECD Guideline 203 (Fish, Acute Toxicity Test)
Silver nitrate 7761-88-8	Value type	EC50
	Value	0.00022 mg/l

	Acute Toxicity Study	Daphnia
	Exposure time	48 h
	Species	Daphnia magna
	Method	not specified
Silver nitrate 7761-88-8	Value type	EC10
	Value	0.00041 mg/l
	Acute Toxicity Study	Algae
	Exposure time	24 h
	Species	Pseudokirchneriella subcapitata
	Method	not specified
Silver nitrate 7761-88-8	Value type	EC10
	Value	0.006 mg/l
	Acute Toxicity Study	Bacteria
	Exposure time	16 h
	Species	
	Method	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm-Test)

Bioaccumulative potential / Mobility in soil:

Silver nitrate 7761-88-8	Bioconcentration factor (BCF)	200
	Exposure time	
	Species	
	Temperature	
	Method	not specified
Silver nitrate 7761-88-8	LogPow	0.19
	Temperature	
	Method	not specified

Section 13. Disposal considerations**Product****Method of disposal:**

Dispose of in accordance with local and national regulations.

Packaging**Disposal of uncleaned packages:**

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

Section 14. Transport information**Road transport ADR:**

Class:	9
Packing group:	III
Classification code:	M6
Hazard ident. number:	90
UN no.:	3082
Label:	9
Technical name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (silver nitrate)

Railroad transport RID:

Class: 9
Packing group: III
Classification code: M6
Hazard ident. number: 90
UN no.: 3082
Label: 9
Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (silver nitrate)

Inland water transport ADN:

Class: 9
Packing group: III
Classification code: M6
Hazard ident. number: 90
UN no.: 3082
Label: 9
Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (silver nitrate)

Marine transport IMDG:

Class: 9
Packing group: III
UN no.: 3082
Label: 9
EmS: F-A ,S-F
Seawater pollutant: Marine pollutant
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (silver nitrate)

Air transport IATA:

Class: 9
Packing group: III
Packaging instructions (passenger): 964
Packaging instructions (cargo): 964
UN no.: 3082
Label: 9
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (silver nitrate)

Further information for transport:

The transport classifications in this section apply generally to packed and bulk goods alike. For containers with a net volume of no more than 5 L for liquid substances or a net mass of no more than 5 kg for solid substances per individual or inner package, the exemptions SP 375 (ADR), 197 (IATA), 969 (IMDG) may be applied, which can result in a deviation from the transport classification for packed goods.

Section 15. Regulatory information

Regulatory Information:

Ministry of Industry Notice. The system to classify and communicate the hazard of hazardous material, BE. 2555

Global inventory status:

Regulatory list	Notification
EINECS	yes
TSCA	yes
AICS	yes
DSL	yes
KECI (KR)	yes
PICCS (PH)	yes
IECSC	yes
NZIOC	yes

Section 16. Other information

Disclaimer:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.