

Material Safety Data Sheet

1. Identification of the substance/mixture and of the supplier

Product name	Reconstitution solution A
Manufacturer:	Qkine Ltd 1 Murdoch House, Garlic Row, Cambridge, CB5 8HW, United Kingdom Phone: +44 (0)1223 491486 Email: support@qkine.com
Country of origin	United Kingdom
Emergency telephone number	In an emergency call 999 or 112 (or local emergency number) 111 - medical advice in England, Scotland & Wales (NHS Wales 0845 46 47) 18001 111 on a textphone or www.interpreternow.co.uk/nhs111 for NHS British Sign Language (BSL) interpreter service

2. Hazards identification

Classification of substance or mixture	Not a hazardous substance or mixture
GHS classification	Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008
GHS labelling	Does not need to be labelled in accordance with EC directives or respective national laws.
Special hazards	None

3. Composition/information on ingredients

Ingredient	CAS No/EC No	Weight %	Classification	SCLs
Hydrochloric acid, 32%	7647-01-0/231-595-5	0.1	Skin Corr. 1B; H314 STOT SE 3; H335	C ≥ 25% C ≥ 10%
Water	7732-18-15/231-791-2	99.9	Not classified	
This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required. See section 16 for the full text of H-statements				

4. First aid measures

Eye contact:	May cause eye irritation. Immediately flush eyes with plenty of water, then remove any contact lenses and continue to flush eyes with water for 15 minutes. Seek immediate medical attention if irritation persists
Skin contact:	May cause skin irritation. Immediately wash off with plenty of soap and water.
Inhalation:	If inhaled, remove to fresh air. If breathing becomes difficult, seek immediate medical attention.
Ingestion:	No recognised ingestion hazard. If ingested, rinse out mouth with plenty of water. Do not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

Classification of substance or mixture	The product is non-flammable.
Suitable extinguishing media	Use extinguishing media appropriate to the surrounding environment.
Specific hazards arising from substance	Toxic and irritating vapours generated when heated: hydrogen chloride gas.
Protective equipment	Wear self-contained breathing apparatus

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear gloves and appropriate eye protection. Ensure adequate ventilation. Avoid inhalation of vapours and contact with skin and eyes.
Environmental precautions	No special environmental precautions required.
Methods & material for containment and cleaning up	Use absorbent material to soak up the spillage and dispose of in accordance with applicable laws, environmental legislation and good laboratory practices.

7. Handling and storage

Handling	Wear PPE. Avoid inhalation. Avoid contact with eyes, skin, and clothing.
Storage	Keep vial tightly closed in a dry and well-ventilated place. Store in a cool place. Recommended storage temperature 15-25 °C.

8. Exposure controls / personal protection

Control parameters	Contains no substances with occupational exposure limit values.
Engineering controls	General industrial hygiene practice
Eye	Wear appropriate eye protection.
Skin	Handle with gloves. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Inhalation	Respiratory equipment is not required.

9. Physical and chemical properties & safety characteristics

Physical state	Liquid
Colour	Clear
Odour	Odourless
Melting point/freezing point	Ca. 0 °C
Boiling point	Ca. 100 °C
Flammability	No data available
Explosion limits	No data available
Flash point	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Viscosity	No data available

Solubility in water	Completely miscible
Partition co-efficient	No data available
Vapour pressure	No data available
Density	No data available
Relative vapour density	No data available
Particle characteristics	No data available

10. Stability and reactivity

Reactivity	No data available
Chemical stability	Stable under normal use conditions
Possibility of hazardous reactions	None under normal handling and storage conditions
Conditions to avoid	Excess heat
Incompatible materials	Strong oxidising agents
Hazardous decomposition products	None under normal use conditions. See section 5 for thermal decomposition products

11. Toxicological information

Information on toxicological effects	Does not present an acute toxicity hazard at the supplied concentration
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12. Ecological information

Toxicity	Under normal use and conditions, this product is not expected to have an adverse environmental impact
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	No data available
Other adverse effects	No data available

13. Disposal considerations

Waste treatment methods	Dispose of in accordance with applicable laws, environmental legislation and good laboratory practices.
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14. Transport information

UN number	Not applicable
UN proper shipping name	Not applicable
Transport hazard class(es)	Not applicable
Packing group	Not applicable
Environmental hazards	No hazards identified
Special precautions for user	No special precautions identified
Transport in bulk	Not applicable

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	Not applicable
Chemical safety assessment	Not applicable

16. Other information

Full text of H-statements referred to in Section 3:

H314 causes severe skin burns and eye damage

H335 may cause respiratory irritation

Qkine products are not for use in humans and are not for diagnostic or therapeutic use.

Customers agree to comply with the provisions of applicable international and local statutes, rules, regulations, ordinances and orders when using Qkine products.

Qkine products are for internal research purposes only and not for resale or transfer in any form (including as part of a kit) to a third party unless agreed with Qkine in writing.

Qkine is not responsible for patent infringement or other violations which may occur with the use of these products.