

SAFETY DATA SHEET

Creation Date 30-August-2019

Revision Date 10 February 2023

SECTION 1: Identification

Product Name: HSQ Electron Beam Resist
Identified Uses: Negative tone electron beam resist
Company EM Resist Ltd.
Media House
Adlington Business Park
Macclesfield
SK10 4NL
UNITED KINGDOM
Telephone +44 (0)1625 813723
E-mail Address info@emresist.com
Emergency Phone # +44 (0)1625 813723

SECTION 2: Hazards identification

Classification

Health Hazard	0
Flammability	0
Reactivity / Physical Hazards	0

Label Elements

Pictogram n/a
Signal Word n/a

SECTION 3: Composition / information on ingredients

Component	CAS Number	Weight %
Hydrogen silsesquioxane	137125-44-1	100

SECTION 4: First-aid measures

Eye Contact May cause irritation. Flush area thoroughly with water.
Skin Contact May cause skin irritation. Wash area thoroughly with water.
Inhalation May be harmful if inhaled. Remove to fresh air. Get medical attention for any

Oral	breathing difficulty. May be harmful if swallowed
------	--

SECTION 5: Fire-fighting measures

Fire and explosion hazard	Negligible fire and explosion hazard
Suitable extinguishing media	Any means suitable for extinguishing surrounding fire.

SECTION 6: Accidental release measures

Containment/Clean up:	
Personal precautions	Avoid contact with skin
Environmental precautions	No special environmental precautions required
Methods for cleaning up	Shovel or sweep up. Shovel into a suitable container for disposal. Avoid dust formation. Avoid spillage from entering drains or water courses. Dispose of as normal trade waste in compliance with local and national regulation.

SECTION 7: Handling and storage

Handling	Avoid contact with skin and eyes. Avoid dust formation. Do not breath in dust. Ensure adequate ventilation. Wear PPE.
Storage	Keep container tightly closed (hygroscopic). Store either under inert atmosphere or under vacuum.

SECTION 8: Exposure controls/personal protection

Control parameters/exposure limits	Not available
Personal protection equipment	Handle with gloves
Hygiene Measures	Avoid contact with skin and eyes. Avoid dust formation

SECTION 9: Physical and chemical properties

Physical State	Powder
Appearance	White / off-white powder
Odour	None
pH	n/a
Boiling point	n/a
Melting point	n/a
Decomposition temperature	n/a
Flash point	n/a
Flammability	n/a
Autoignition temperature	n/a
Explosive properties	n/a

Explosion limits	n/a
Vapour density	Negligible
Relative density	n/a
Physical appearance	White/off-white powder.

SECTION 10: Stability and reactivity

Chemical Stability:	Stable under recommended storage condition.
Conditions to avoid	Keep containers dry and tightly closed to avoid moisture absorption and contamination (hygroscopic).

SECTION 11: Toxicological information

Acute toxicity	None.
Local effects	Skin irritation, eye irritation
Sensitization	n/a
Chronic toxicity	None
Human experience	Skin irritation, eye irritation

SECTION 12: Ecological Information

Persistence/degradability	Stable
Bioaccumulation	n/a
Mobility	n/a

SECTION 13: Disposal Considerations

Contaminated packing	In accordance with local and national regulations
Waste from residues/unused products	In accordance with local and national regulations

SECTION 14: Transport Information

UN	Not regulated
Packing group	Not regulated
ADR/RID	Not regulated
IMO	Not regulated
ICAO	Not regulated

SECTION 15: Regulatory Information

WHMIS Classification: Not WHMIS controlled

SECTION 16: Other information

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Prepared By	EM Resist Ltd.
Creation Date	30-August-2019
Revision Date	10 February 2023