Document Name

Material Safety Data Sheet -Perspex



\equiv STERIS



Material Safety Data Sheet (MSDS)

Section 1: Identifica	tion Of the Substance/Mixture And Of The Company/Undertaking		
	Red Perspex and Amber Perspex		
	Product Names : Harwell Red 4034 Dosimeters. Harwell Amber 3042 Dosimeters.		
1.1 Product Identifier	Brand: Harwell Dosimeters		
laentifier	REACH No . A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.		
1.2 Relevant identified uses of the substance or mixture and uses advised against	Perspex dosimeters are an internationally recognised product used for the measurement of radiation dose.		
1.3 Details of the supplier of the safety data sheet	Harwell Dosimeters Ltd Unit 4 Moorbrook Southmead Industrial Estate DIDCOT Oxfordshire OX11 7HP United Kingdom orders@harwell-dosimeters.co.uk		
1.4 Emergency Telephone number	+44 01235 819013		

Section 2: Hazards Identification	
2.1 Classification of the substance or mixture	Low toxicity under normal conditions
2.2 Label elements	None required
2.3 Other hazards	Thermal decomposition will evolve toxic, irritant, and flammable vapours.

Section 3: Composition/information on ingredients	
3.1 Substances	No classifiable hazardous ingredients

Document Number Document Revision At Effective Effective Datetime

Q08-FR-002957 1.0

13 Feb 2024 07:30:42 (PST)

STERIS





Section 4: First Aid	Measures	
4.1 Description of First Aid Measures	Inhalation: Skin contact: Eye contact: Ingestion: Further medical tre	Remove patient from exposure, keep warm And at rest. Wash skin with soap and water Rinse immediately with plenty of water. Do not induce vomiting. eatment: If symptoms develop obtain further medical attention.
4.2 Most important symptoms and effects, both acute and delayed	None known	
4.3 Indication of any immediate medical attention and special treatment needed	None known	

Material Safety Data Sheet -

Perspex

Document Name

Section 5: Firefighting Measures	
5.1 Extinguishing media	Water spray, dry powder or carbon dioxide
5.2 Special hazards arising from the substance or mixture	Combustion will evolve toxic, irritant, and flammable vapours
5.3 Advice for firefighters	A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions
5.4 Further information	None known

Section 6: Accidenta	al Release Measures
6.1 Personal precautions, protective equipment and emergency procedures	Offcuts, swarf or dust should be collected and disposed of in a safe way
6.2 Environmental precautions	None known
6.3 Methods and materials for containment and cleaning up	None required
6.4 Reference to other sections	Not required

Document NumberQ08-FR-Document Revision1.0At Effective13 Feb 2

Q08-FR-002957 1.0

13 Feb 2024 07:30:42 (PST)

STERIS 🏾

Document Name

Material Safety Data Sheet -Perspex





Section 7: Handling & Storage	
7.1 Precautions for safe handling	Broken or chipped edges can be sharp
7.2 Conditions for safe storage, including any incompatibilities	Storage temperature below 40 °C
7.3 Specific end use(s)	Can not be recycled after exposure to irradiation.

Section 8: Exposure Controls / Personal Protection	
8.1 Control parameters	This product does not contain any hazardous materials with occupational exposure limits established by the regional specific regulatory bodies.
8.2 Exposure controls	None under normal use conditions.

Section 9: Physical and chemical properties		
9.1 Information on basic physical and chemical properties	Form: Colour: pH (Value) Freezing Point (°C) Boiling Point (°C) Flash Point (°C) Relative Evaporation Rate (Ether = 1) Flammable limits Vapour pressure (Pascal) Vapour Density (Air = 1) Solubility (Water) Solubility (Water) Solubility (Other) acetone and chlorinated hydrocarbon Partition Coefficient (n-Octanol/water) Auto Ignition Temperature (°C) Viscosity (mPa. s) Explosive properties Oxidising properties Density (g/ml)	plaque coloured Not applicable Not applicable Not applicable 10 (MMA) plaque has no flash point. Not applicable Not applicable Not applicable Insoluble Soluble in most organic solvent, Not applicable 421 (MMA) Solid Not Explosive Not oxidising 1.19
9.2 Other safety information	Softening Point (°C) >100 No protective equipment is needed under	er normal use conditions.

Section 10: Stability and Reactivity	
10.1 Reactivity	None known
10.2 Chemical stability	Stable at routine temperatures

Document Name

Material Safety Data Sheet -Perspex



\equiv STERIS



10.3 Possibility of hazardous reactions	None Known
10.4 Conditions to avoid	Avoid temperatures over 100°C as the material may soften and deform
10.5 Incompatible materials	None known
10.6 Hazardous decomposition products	None known

Section 11: Toxicol	ogical Information
	Inhalation Unlikely route of exposure.
	Skin Contact
	No evidence of irritant effects from normal handling and use. Sharp edges may cause cuts
11.1 Information on toxicological effects	Eye Contact Swarf or dust may cause irritation. Sharp off-cuts may cause eye damage.
	Ingestion
	Unlikely to be hazardous if swallowed.
	Long Term Exposure
	No known hazards are associated with the use of this material.
11.2 Additional Information	No further issues

Section 12: Ecological information		
12.1 Toxicity	The product is predicted to have low toxicity to aquatic organism.	
12.2 Persistence and degradability	The product is non-biodegradable in oil	
12.3 Bio accumulative potential	The product as low potential for bioaccumulation	
12.4 Mobility in soil	The product as low mobility in soil	
12.5 Results of PBT and vPvB assessment	Not classified as PBT and vPvB	
12.6 Endocrine disrupting properties	None known.	
12.7 Other adverse effects	None known.	

Document Number Document Revision At Effective Effective Datetime

Q08-FR-002957 1.0

13 Feb 2024 07:30:42 (PST)

STERIS





Section 13: Disposal Considerations 13.1 Waste treatment methods Disposal should be in accordance with local, state or national legislation. Incrineration may be used to recover energy value. Bury on an authorised landfill site or incinerate under approved controlled conditions, using incinerators suitable for the disposal of noxious chemical waste. Large quantities of waste may be recoverable.

Material Safety Data Sheet -

Perspex

Document Name

Section 14: Transport Information		
14.1 UN number	Not Classified as Dangerous for Transport	
14.2 UN proper shipping name	N/A	
14.3 Transport hazard class(es)	N/A	
14.4 Packaging group	N/A	
14.5 Environmental hazards	None known	
14.6 Special precautions for user	None required	

Section 15: Regulatory Information		
15.1 Safety, health and environmental regulations/legislati on specific for the substance or mixture	This product is an article and as such Article 31 (Requirement for Safety Data Sheets) of Regulation (EC) No 1907/2006 does not apply. Directive 2009/161/EU (third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC).	
15.2 Chemical	A Chemical Safety Assessment has not been carried out for this	
Safety Assessment	substance/mixture.	

Section 16: Other Information		
Further information	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product about appropriate safety precautions. It does not represent any guarantee of the properties of the product. STERIS and its company Harwell Dosimeters Limited shall not be held liable for any damage resulting from handling or from contact with the above product.	
	See the reverse side of Sales Orders for additional terms and conditions of sale.	
	The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all the information in the document regarding the product remains unchanged and matches the product ordered.	