

COSHH RISK ASSESSMENT

Sandtex Retail Microseal Ultra Smooth Masonry Paint

Assessment No.	COSHH RA 002
Version	01
Author	Dr Eric Hoang (Director)
Date	18/01/23

1. HAZARDOUS SUBSTANCES

Substance Name	Sandtex Retail Microseal Ultra Smooth Masonry Paint	
MSDS Ref	4018105 - CLP 17 (9 June 2017)	
Physical Form	Liquid ☒ Solid ☐ Gas ☐ Aerosol ☐ Other ☐	
Persons Likely to be Exposed to Substance	Artists Personnel Members of the public	
Process	Paint wall with masonry paint	
Name of hazardous substances	There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section	
Location of process	Mainly outdoor. Occasionally indoor at Client premises.	
Quantity used during process	3m x 3m wall (6m ²): 1× 5L container 5m x 5m wall (25m ²): 10L (2× 5L containers) 12m x 7m wall (84m ²): 35L (6× 5L containers)	
Storage location	Artist studio. Client Premises for temporary storage during mural production. Work area.	
Hazards	 Explosive ☐	 Flammable ☐
	 Oxidising ☐	 Irritant ☐ Harmful ☐
	 Corrosive ☐	 Hazardous to the Environment ☐
	 Compressed gas ☐	 Serious health hazard ☒
	 Acute Toxicity ☐  Carcinogen ☐  Mutagen ☐  Reproductive Toxin ☐	
Hazard types	Gas ☒ Vapour ☒ Mist ☒ Fume ☒ Dust ☐ Liquid ☐ Solid ☐ Other ☐ :	



COSHH RISK ASSESSMENT	Sandtex Retail Microseal Ultra Smooth Masonry Paint	COSHH RA 002
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Hazards statements	No known significant effects or critical hazards.					
Precautionary statements	N/A					
Routes of Exposure	Inhalation ☒	Skin ☒	Eye ☒	Injection ☐	Ingestion ☒	Other ☐ :
First Aid Measures	General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. Eye contact : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention. Inhalation : Remove to fresh air. Skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners. Ingestion : If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat. Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.					
Occupational Exposure Limits (OELs)	N/A					
Personal Protective Equipment (PPE)	 ☐	Half-mask respirator with A2P3 filters				
	 ☒	Chemical resistant nitrile gloves (EN374-1 & EN374-2)				
	 ☒	Safety spectacles (EN166)				
	 ☐	Safety shoes (steel toe caps)				
	 ☐	Face shield				
	Other ☐					
Accidental Release Measures	6.1 Personal precautions, protective equipment and emergency procedures Exclude sources of ignition and ventilate the area. Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training. 6.2 Environmental precautions Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). 6.3 Methods and material for containment and cleaning up Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).					

Firefighting Measures

5.1 Extinguishing media

Extinguishing media : Recommended: alcohol resistant foam, CO₂, powders, water spray.
Not to be used : waterjet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products : Decomposition products may include the following materials: carbon oxides metal oxide/oxides

5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

COSHH RISK ASSESSMENT	Sandtex Retail Microseal Ultra Smooth Masonry Paint	COSHH RA 002
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2. RISK ASSESSMENT & CONTROL MEASURES

A risk assessment was carried out on the above task. A scoring system was used to highlight the Hazard Rating. Hazard Rating is calculated using values from the following matrix.

Consequence	Fatality	5	5	10	15	20	25
	Long Term Serious Injury/Illness	4	4	8	12	16	20
	Lost Time Injury/Illness	3	3	6	9	12	15
	First Aid Injury	2	2	4	6	8	10
	Minor injury	1	1	2	3	4	5
			1	2	3	4	5
			Very unlikely	Unlikely	Possible	Likely	Almost Certain
			Likelihood				

Hazard Rating	
Rating	Category
1 – 2	Negligible Risk
3 – 4	Low Risk
5 – 10	Medium Risk
11 – 15	High Risk
16 - 25	Unacceptable Risk

Task	Painting with Sandtex Retail Microseal Ultra Smooth Masonry Paint			
Hazard	Inhalation from paint. Skin irritation. Eye irritation.			
Person at risk	Artist			
Equipment Used	Sandtex Retail Microseal Ultra Smooth Masonry Paint (5L containers) Roller frame Roller Sleeve 15L/25L scuttle Screwdriver			
Control Measures	Wear PPE: - Half-mask respirator (A2 organic filter + P3 Particulate filter) - Eye protection - Chemical resistant nitrile gloves - Safety boots Take regular breaks.			
Hazard Rating	Likelihood	Consequence	Hazard Rating	Rating Colour
	2	2	4	Low Risk

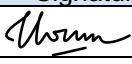
COSHH RISK ASSESSMENT	Sandtex Retail Microseal Ultra Smooth Masonry Paint	COSHH RA 002
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Task	Manual handling of Sandtex Retail Microseal Ultra Smooth Masonry Paint 5L containers			
Hazard	Musculoskeletal Disorder (MDS) during loading/unloading of 5L containers			
Person at risk	Artist			
Equipment Used	Sandtex Retail Microseal Ultra Smooth Masonry Paint in 5L containers			
Control Measures	Manual handling training. Manual handling risk assessment MHRA 001 for Transporting Painting Materials. Use platform truck as handling aid to move 5L containers for travel distance greater than 2m.			
Hazard Rating	Likelihood	Consequence	Hazard Rating	Rating Colour
	2	4	8	Medium Risk

Task	Transport of Sandtex Retail Microseal Ultra Smooth Masonry Paint 5L containers			
Hazard	Spillage			
Person at risk	Artist Client personnel Members of the public			
Equipment Used	Sandtex Retail Microseal Ultra Smooth Masonry Paint 5L containers			
Control Measures	Manual handling training. Manual handling risk assessment MHRA 001 for Transporting Painting Materials. Use platform truck as handling aid to move 5L containers for travel distance greater than 2m. Do not overload platform truck. Walk route to look for potential hazards (firm/soft floor, slippery floor, uneven ground conditions, obstacles, slope). Move platform truck smoothly.			
Hazard Rating	Likelihood	Consequence	Hazard Rating	Rating Colour
	2	2	4	Low Risk

Task	Storage of Sandtex Retail Microseal Ultra Smooth Masonry Paint			
Hazard	Under normal conditions of storage and use, hazardous reactions will not occur			
Person at risk	Artist Client Personnel Members of the public			
Equipment Used	Spray paint MTN 94			
Control Measures	Good housekeeping standards and regular safe removal of waste materials will minimise risks of spontaneous combustion and other fire hazards Store in a cool, well-ventilated area, away from any incompatible materials and sources of ignition. Do not store below 5°C.			
Hazard Rating	Likelihood	Consequence	Hazard Rating	Rating Colour
	2	2	4	Low Risk

The following persons understand the identified control measures in the Hazardous Assessments listed above and have been trained in the risk reduction methods as described within the assessments.

Name	Signature	Date
Eric HOANG		18/01/23