

Succinct summary of representative risk management measures (RMMs) and operational conditions (OCs)

Legal name of applicant(s): SCA Ceramic Coatings Ltd

Submitted by: SCA Ceramic Coatings Ltd

Date: 31st March 2026

Substance: Chromium Trioxide

EC: 215-607-8

CAS: 1333-82-0

Use title: Use of chromium trioxide in a binding/sealing process applied to porous/semi-porous coatings to achieve a wear and corrosion resistant technical ceramic surface to meet specific performance characteristics

Use number: 1

Exposure Scenario Use at an Industrial Site - Use of chromium trioxide in a binding/sealing process applied to porous/semi-porous coatings to achieve a wear and corrosion resistant technical ceramic surface to meet specific performance characteristics

ECS and WCS	Task (ERC/spERC or PROC)	Annual amount per site (tonnes /year)	Technical RMMs, including: *Containment, *Ventilation (general, LEV...) *customized technical installation, etc	Organisational RMMs, including: *Duration and Frequency of exposure *OSH management system *Supervision *Monitoring arrangements *Training, etc	PPE (characteristics)	Other conditions	Effectiveness of waste water and waste air treatment (for ERC)	Release factors: water, air and soil (for ERC)	Detailed info. in CSR (section)
ECS 1	Use in technical ceramic coating						Not Applicable	No emissions to soil. No emissions to air outside. No direct emissions to water	
WCS 1	Receipt, transfer and storage of chromium trioxide PROC8a	See above	General ventilation	All persons with access to the storage areas have been informed of the risks of working with chromium trioxide, the safe way of handling chromium trioxide and use of PPE and other control equipment.	Safety shoes, suitable gloves and eye protection as required	None	Not applicable	Chromium trioxide is in sealed containers – no exposure	9.2.1.1
WCS 2	Decanting and weighing PROC 8a	See above	A recirculating-air Fume Cupboard is used to control any potential emissions of chromium trioxide.	All persons undertaking decanting and weighing activities have been instructed about the risks of working with chromium trioxide,	Suitable gloves, eye protection, clothing, footwear and respiratory	None	Not applicable	In line with current UK ALARP principles. No emissions to air outside factory	9.2.2.1

				the safe way of handling chromium trioxide and the use of PPE and other control equipment.	protection where required				
WCS 3	Making additions of chromium trioxide PROC 0	See above	A recirculating-air Fume Cupboard is used to control any potential emissions of chromium trioxide.	All persons undertaking making additions activities have been instructed about the risks of working with chromium trioxide, the safe way of handling chromium trioxide and the use of PPE and other control equipment.	Suitable gloves, eye protection, clothing and footwear	None		In line with current UK ALARP principles. No emissions to air outside factory	9.2.3.1
WCS 4	Applying Slurry Coating PROC 13	See above	General ventilation	All persons undertaking coating activities have been instructed about the risks of working with chromium trioxide, the safe way of handling chromium trioxide and the use of PPE and other control equipment.	Suitable gloves, eye protection, clothing, footwear and respiratory protection where required	None			9.2.4.1
WCS 5	Applying sealing solution PROC 10	See above	General ventilation	All persons undertaking coating activities have been instructed about the risks of working with chromium trioxide, the safe way of handling chromium trioxide and the use of PPE and other control equipment.	Suitable gloves, eye protection, clothing, footwear and respiratory protection where required	None			9.2.5.1
WCS 6	Removal of excess coating solution PROC 4	See above	General ventilation	All persons undertaking removal of excess coating solution activities	Suitable gloves, eye	None			9.2.6.1

				have been instructed about the risks of working with chromium trioxide, the safe way of handling chromium trioxide and the use of PPE and other control equipment.	protection, clothing, footwear and respiratory protection where required				
WCS 7	Maintenance activities PROC 28	See above	General ventilation	All persons undertaking maintenance activities have been instructed about the risks of working with chromium trioxide, the safe way of handling chromium trioxide and the use of PPE and other control equipment.	Suitable gloves, eye protection, clothing, footwear and respiratory protection where required	None			9.2.7.1
WCS 8	Consolidating waste materials PROC 0	See above	All solid and any liquid waste is collected and forwarded to an external waste management company, (licenced contractor) for disposal as hazardous waste	Suitable training Use of licensed waste contractors	Suitable gloves, eye protection, clothing and footwear	None			9.2.8.1

Abbreviations: WCS=Worker contributing scenario, ECS=Environmental Contributing Scenario,* ERC=Environmental Release Category (or spERC if available) , PROC= Process category, LEV=Local Exhaust Ventilation, PPE=Personal Protective Equipment