

Format for

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

Version 1.1

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Chromium Trioxide consortium pre-treatment applications for architectural aluminium

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 n	ERC7								Table 1b
WCS 1	PROC2 loading containers	10-100	Safe storage	Training	Gloves, eye protection		Spillage response	Emergency only water	Table 1b
WCS 2	PROC 1 addition of chemicals pump	10-100	Maintenance of equipment, remote shut off.	Training	Gloves, eye protection		Spillage response	Emergency only water	Table 1b
WCS 2b	PROC 8b addition of chemicals manually	10	Safe access	Training Manual handling Substitute methods	Gloves, face shield, mask Overalls		Spillage response	Emergency only water	Table 1b
WCS 3	PROC 3 Process by immersion	10-100	Splash prevention guards or remote crane, authorised access	Training Exposure testing Biological testing	Gloves, eye protection		By effluent or tanker	Releases to water	Table 1b
WCS 4	PROC 2 Process by spray	10-100	Enclosed systems Authorised access	Training Exposure testing Legionella checks	Gloves, eye protection, p3 mask		By effluent	Releases to water	Table 1b
WCS 5	PROC 0 maintenance cleaning	0		Training Exposure testing	Gloves, eye protection, p3 mask overalls		NA	NA	Table 1b

WCS 6	PROC 0 maintenance breakdown	10-100	Washing down prior to work	Training Biological testing	Gloves, eye protection, p3 mask Overalls	Permit to work	Spillage response	Releases to water	Table 1b
WCS 7	PROC 0 waste water effluent	10-100	Automatic operation	Training Plant checks Calibration	Gloves, eye protection, p3 mask	Regulatory checks by water authority	Effluent treatment	Releases to water	Table 1b
WCS 7b	PROC 0 waste water tanker	10-100	Safe access	Training Supervision	Gloves, eye protection	Duty of care waste regulations, 3 rd party	NA	Releases to water via 3 rd party treatment	Table 1b
WCS 8	PROC 15 Laboratory testing	0.01	Sampling methods	Training Exposure testing Biological testing	Gloves, eye protection, p3 mask		NA	Small water release from sample	Table 1b
WCS 9	PROC 0	10-100	Bunding or cage or containment.	Training Supervision	NA	Oil storage regulations apply to chemicals	NA	NA	Table 1b

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