


HexChEC: Hexavalent Chromium Exposure Control

Exposure Assessment Tool for Stainless Steel Welders

Chrome 6 exposure increases 

Local Exhaust Ventilation = LEV

Respiratory Protection = RP



Natural or general ventilation is adequate


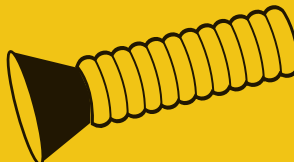



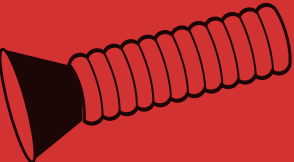





LEV or RP may be necessary



LEV and RP required

Chrome 6 exposure increases 

PROCESS WORK SPACE	SAW (Sub Arc)	GTAW (TIG)	GMAW (MIG)	FCAW (Flux Core)	SMAW (Stick)	CAC/PAC (Carbon arc cutting, plasma arc cutting)
Outdoor 	Green	Green	Yellow	Yellow 	Yellow	Red
Open 	Green 	Green	Yellow	Red	Red	Red
Restricted 	Green	Green	Red	Red 	Red + 	Red
Confined 	Green	Yellow 	Red	Red	Red	Red

This exposure assessment tool is only a guideline and is not to be solely relied upon for regulatory compliance purposes

Funding and support for this project have been provided by the Washington State Department of Labor & Industries' Safety & Health Investment Projects.



FIELD RESEARCH AND CONSULTATION GROUP
Department of Environmental and Occupational Health Sciences
School of Public Health

 UNIVERSITY of WASHINGTON