


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


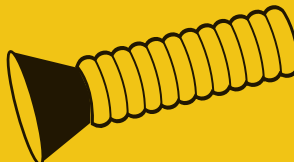



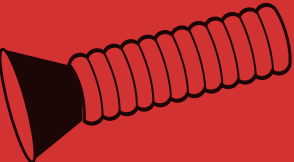





LEV or RP may be necessary



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