

Risk Assessment - Chemical hazard - Hexavalent Chromium

Class of Risk	Dangerous situations	Risks	Prevention measures
Chromium- 6 Chemical Hazard Inhalation Eye and Skin contact with Cr-6	Exhaust manifold shield remove and installation.	Airborn with Cr-6 dust , Chrome-6 dust projection in the eyes, Skin contact with Chrome-6 deposit, Chrome-6 dust ingestion.	General Rules : No lunches in the sites area, Respect of usual measures from the General Health, Safety and Environment (HSE) plan.
	Exhaust manifold shield cleanning.		Special caution when handling the heat Shields to prevent any airborn of Cr-6 dust.
	Contaminated exhaust manifold part remove.		In case of operation on exhaust manifold with potential risk of contact with Cr-6, individual protections shall be implemented : <ul style="list-style-type: none"> • Full single-use protective suit, • Nitrile protective gloves, if necessary doubled with Mechanical protective gloves, • Waterproof eyes protection (waterproof protective bezel-mask), • Respiratory protection such as FFP2 or FFP3 (single-use masks).
	part Installation after decontamination.	Chemical risk related to Cr-6 have been emoved from cleaning process.	Respect of usual measures from the General Health, Safety and Environment (HSE) plan.
	Management, storage and disposal of contaminated waste.	Suspension of Chrome-6 dust particulates, Chrome-6 dust projection in the eyes, skin contact with Chrome-6 deposit, Chrome-6 dust ingestion.	Application of Sec Pro 15 01 prodedure (HSE) for part decontamination. In case of contaminated part transportation, parts shall be packaged in sealing bag to avoid any local area or Service truck contamination.