

Job site: _____
 Foreman: _____

Date: _____
 G.C. _____

SMOHIT Safety Sense Toolbox Talks for the Sheet Metal Industry	<h3>Chemical Suits</h3> <ul style="list-style-type: none"> • There may be a time on the job site where you will come in contact with large amounts of a hazardous substance or a hazardous spill. If a rare instance like this ever occurs, it is necessary to know what types of personal protection are available. • There are two types of whole body protection suits. Fully encapsulating suits are totally enclosed and protected from chemical splashes, gases, and vapors. These suits are used with air-supplying respirators that maintain a sealed environment inside the suit. • Splash suits are nonencapsulating and usually consist of a jacket and hood in combination with a pair of pants or bib overalls. Splash suits provide protection from chemical splashes only (not gases or vapors), and are usually duct taped to seal the overlap between sleeves/gloves and suit legs/boots. There are four levels of protection. • Level A is the highest level of protection available, consisting of a fully encapsulating, vapor- and gas-proof suit with an air-supplying respirator, and should be worn when hazardous substances require the highest level of protection for the skin, eyes, and respiratory system. • Level-B protection provides the same respiratory protection as Level A, but uses a chemical splash suit that provides moderate skin protection, and can be used when the vapor or gas levels are not high enough to be a hazard to the skin. Level-B protection is the minimum level of protection that can be used when the contaminants are unknown. • Level-C protection utilizes basic half-face or full-face air-purifying respirators and a moderate level of skin protection. Level-C protection is worn when chemical levels in the air are known and the right respirator cartridges are available. It is not appropriate for use around quantities of chemicals that result in vapors, fumes, gases, or dusts. • Level-D protection is the lowest level of protection, similar to typical work clothes except for chemical-resistant boots with steel shanks. No respirator is used, and skin protection is minimal. Level-D is for people who work outside the hazardous waste area, such as workers involved with equipment supply, maintenance, and off-site vehicle operation. 		<h3>Instructor Tips</h3> <ul style="list-style-type: none"> • Show an example of each type of suit while discussing its uses, if they are available to you. • Explain to workers that because Level C uses air-purifying respirators, and not atmosphere-supplying respirators, the oxygen level must be tested and must be at least 19.5%. 	
	Name	Init.	Name	Init.
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Reference: OSHA 29 CFR 1926.65 Appendix B