

Job site: _____
Foreman: _____

Date: _____
G.C. _____

SMOHIT Safety Sense Toolbox Talks for the Sheet Metal Industry	Metals		Instructor Tips	
	<ul style="list-style-type: none">• Metal in its natural state does not pose any serious health threat. But when cut, ground, or heated to a high temperature, metals can create dusts and fumes that, when inhaled or ingested, cause damaging effects.• A common source of metal dust particles is when a dry abrasive wheel is used in shaping metal.• In addition to the metal particles, the wheel itself expels dust particles.• Metal dust particles can cause irritation to the eyes, nose, and throat, and depending on the type of metal, a variety of body organs and systems may be affected.• Metal fumes are generated during welding, cutting, and soldering operations.• If metal is coated with another material, such as zinc or paint, a variety of gases may be generated, causing inhalation hazards.• When cutting, grinding, or heating metals:<ul style="list-style-type: none">○ Always wear appropriate personal protection equipment including eye protection and a dust mask, if necessary.○ Be sure that the work area is properly ventilated.		<ul style="list-style-type: none">• Provide a sample of metal dust particles from the wheel or tool used to grind metals.• Provide examples of galvanized metal or painted metal.	
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Reference: OSHA 29 CFR 1910.1200