

### SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - Conditions to Avoid	
Steel products in the natural state do not present an inhalation, ingestion or contact hazard. However operations such as burning, welding, sawing, brazing and grinding may result in the following effects if exposures exceed permissible limits as listed in Section II.	
NOTE: Chronic inhalation of high concentrations of iron oxide fumes or dusts may lead to a benign pneumoconiosis (miderosis). Inhalation of high concentrations of ferric oxide may possibly enhance the risk of lung cancer development in workers exposed to pulmonary carcinogens. The inhalation of high concentrations of freshly formed oxide fumes and dusts of Manganese, Copper, Lead and Zinc in the respirable particle size range can cause an influenza-like illness termed fume fever. Typical symptom last 12 to 48 hours and are characterized by metallic taste in the mouth, dryness and irritation of the throat, followed by weakness, muscle pain, fever and chills. Excessive repeated inhalation of Chromium fumes or dust may cause severe irritation, ulceration, or cancer in the respiratory system. It is generally believed that the hexavalent forms of Chromium (Cr +6) are responsible for these effects. It is uncertain whether metallic Chromium in dust formed can cause the same effects noted above. Until this issue is resolved, controls or personnel protective equipment should be utilized to assure exposures are not excessive. Similarly, excessive inhalation of Nickel fumes have been associated with respiratory cancer. Both Chromium and nickel are potential sensitizers, and may cause allergic reactions. Excessive or prolonged inhalation of Manganese can cause damage to the nervous system, specifically the pathology resembles Parkinson's Disease. Molybdenum is not foreseen as a health hazard in the present context. Though Molybdenum has caused toxicity (anemia and poor growth) in farm animals, there is not data documenting toxicity to humans due to industrial exposures.	
PRIMARY ROUTES OF ENTRY Inhalation <input checked="" type="checkbox"/> Skin Contact <input checked="" type="checkbox"/> Other (specify)	
EMERGENCY AND FIRST AID PROCEDURES Inhalation: Move person to fresh air. Administer oxygen if necessary Seek physician's assistance Skin: Wash with soap and water. Consult physician if necessary Eye: Flush with copious amounts of water. Consult physician if necessary	

### SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE		NA

### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Product is a solid material, as shipped, no potential for spill or leak
WASTE DISPOSAL METHOD Prevent Waste from Contaminating Surrounding Environment. Discard Any Product, Residue, Disposable Container or Liner in an Environmentally Acceptable Manner, in Full Compliance with Federal, State, and Local Regulations.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION NIOSH/MSHA-approved dust and fume respirators should be used to avoid excessive inhalation of particulates. Appropriate respirator selection depends on the magnitude of exposure.	
VENTILATION	LOCAL EXHAUST ventilation should be provided when welding, burning, sawing, brazing, grinding or machining to prevent excessive dust or fume exposure.
PROTECTIVE GLOVES Gloves should be considered when handling material to prevent cuts and skin irritation.	EYE PROTECTION Approved eye protection is recommended for operations involving burning, grinding, brazing, welding or machining.
OTHER PROTECTIVE EQUIPMENT Appropriate protective equipment should be worn when burning, grinding, machining or welding this product.	

### SECTION XI - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Cool and Dry Storage recommended
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### ADDITIONAL INFORMATION

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, express or implied regarding the accuracy or correctness.  
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