

TRADE NAME(S): Steel Rebar

SYNONYMS and/or GRADES:

2. Hazard(s) Identification (cont'd.)

Skin Sensitizer

4. First Aid Measures

Inhalation: If dust or fumes are inhaled and breathing difficulties occur, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Eye Contact: Treat dust in eye as a foreign object. Flush with water to remove dust particles. Remove contact lenses if present and easy to do so. Avoid touching or rubbing eyes to avoid further irritation or injury. Seek medical help if irritation persists.

Skin Contact: Wash off with soap and plenty of water. Consult a physician. inhaled

8. Exposure Control Measures/Personal Protection (cont'd.)

Ventilation:

LOCAL EXHAUST – Provide local exhaust as needed so that exposure limits are met. Use with adequate ventilation to ensure exposure levels are maintained below the limits provided. Use local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ventilation to control dust should be considered where potential explosive concentrations and ignition sources are present. The design and operation of any exhaust system should consider the possibility of explosive concentrations of metal dust within the system. See “SPECIAL” section below.

MECHANICAL (GENERAL) – Maintain levels below exposure limit concentrations.

SPECIAL – Ensure that exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or suppression systems designed and operated in accordance with applicable standards if the operating conditions justify their use.

OTHER ENGINEERING CONTROLS – NAP

Personal Protective Equipment:

RESPIRATORY PROTECTION – Use filtering face piece respirator (dust/fume/mist) tested and approved under appropriate government standards such as NIOSH (US), CSA (Canada), CEN (EU), or JIS (Japan) if exposure limits may be exceeded or for additional worker comfort or symptom relief. Use filtering face piece respirator and goggles or a faceshield if welding on product. Select and use respiratory protection in accordance with regulatory requirements such as the OSHA respiratory protection standard 29CFR 1910.134 following a determination of risk from potential exposures.

PROTECTIVE GLOVES – Cloth, canvas, or leather gloves are recommended when (ov)4 (es)-8 ()-12.2 (B24.4 (ent)-1.1 (s

11. Toxicological Information (cont'd.)

This product may contain small amounts of nickel. Prolonged and repeated contact with nickel may cause sensitization dermatitis. Inhalation of nickel compounds has caused lung damage as well as sinus, nasal and lung cancer in laboratory animals.

This product may contain small amounts of vanadium. Adverse effects from dermal, inhalation or parenteral exposure to various vanadium compounds have been reported. The major target for vanadium pentoxide toxicity is the respiratory tract. Fumes or dust can cause severe eye and respiratory irritation, and systemic effects.

This product may contain small amounts of lead. Lead can accumulate in the body. Consequently, exposure to fumes or dust may produce signs of polyneuritis, diminished vision and peripheral neuropathy, such as tingling and loss of feeling in fingers, arms and legs. Lead is a known reproductive and developmental toxin.

14. Transport Information

Mode: (air, Land, water) Not regulated as a hazardous material by the U. S. Department of Transportation.

Proper Shipping Name: NAP
Hazard Class: NAP
UN/NA ID Number: NAP
Packing Group: NAP
Label/Placard Required: NAP

15. Regulatory Information

TSCA: All components are listed on the TSCA inventory.

CERCLA: Steel is not reportable; however, it contains hazardous substances that may be reportable if released in pieces with diameters less than or equal to 0.004 inches. Antimony and chromium (RQ 5000 lbs.). Zinc (RQ 1,000 lbs.). Selenium and nickel (RQ 100 lbs.). Beryllium, cadmium and lead (RQ 10 lbs.). Arsenic and phosphorous (RQ 1 lb.).

DSL: All components are listed on the Canadian DSL.

OSHA: Hazards including dermal contact exposures, dusts/fumes and combustible dusts from this product are regulated by the OSHA Hazard Communication Standard (29 CFR 1910.1200) as a hazardous chemical.

STATE RIGHT-TO-KNOW:

California Proposition 65 –

WARNING: This product can expose you to chemicals including nickel (metallic), which are known to the State of California to cause cancer, and lead, which are known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov. This product also contains chemicals including antimony oxide, arsenic, beryllium, cobalt, cadmium, lead and titanium dioxide (airborne unbound particles of respirable size – potentially released from paint) known to the State of California to cause cancer and cadmium, whic Td Td [(ar)-6.4 (s)-8 (e)-12.3 (ni)3.2 (8 0 T -0.0

16. Other Information (cont'd.)

TSCA = Toxic Substance Control Act

Steel Rebar

Danger

May cause cancer. Inhalation may cause damage to respiratory tract through pro