POSTED WIRE



Safety Data Sheet

04-14-0002 V5.20

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Product Description

Posted Wire MSDS

REF NUMBER

Restrictions to use:

For use only by dental professionals.

Manufacturer : International Orthodontic Services

Address : 12811 Capricorn St. Stafford, TX 77477 USA

Phone No, : 1888-IOS-8882 (1888-461-8882)

Emergency Phone No,: +1 832 342 9487

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HAZARDS IDINTIFICATION

Hazard Designation

"Xn" - Harmful

R 20/22: Harmful by inhalation and if swallowed.

R 36/38: Irritating to eyes and skin.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Gold viscous material

IMMEDIATE CONCERNS: Warning I Product contains fluorides: In use above 500°C [930°F] in the presence of water vapor,

hydrogen fluoride gas is evolved. Hydrogen fluoride gas can cause Irritation to the respiratory tract. and delayed burns to the eyes and skin. It can also cause fluid in the lungs [pulmonary

edema], and death. Avoid contact with skin, eyes, and inhalation of vapors.

Fumes from the soldering/brazing process are irritating to the eyes and respiratory system. Hot metal can cause eye and skin burns, Avoid breathing fumes from the soldering/brazing

process.

Use only with adequate ventilation.

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FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of low-pressure water for at least 15 minutes. Get medical attention if irritation persists.

SKIN: Immediately remove contaminated clothing. Do not attempt to remove any material bonded to the skin. Flush area of skin contact Immediately with large amounts of water for at least 15 minutes. If irritation persists after flushing, get medical attention promptly. Launder contaminated clothing before reuse.

INGESTION: If swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Remove victim to fresh air. If not breathing, trained personnel may give artificial respiration.. If breathing Is difficult, give oxygen by trained personnel. Seek medical attention.

NOTES TO PHYSICIAN: Treat symptomatically. Potassium can reduce blood pressure and cause coma. Fluorides can reduce serum calcium levels resulting in potentially fatal hypocalcemia. Focus medical efforts on combating Shock and reducing systemic toxicity of fluoride ion.

FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Applicable.

FLAMMABLE CLASS: Non-flammable solid.

EXTINGUISHING MEDIA: For fires involving this product, use dry chemical. carbon dioxide, foam, water spray, Do not use water if metal is molten.

FIRE FIGHTING PROCEDURES: Move container from fire area if It can be done without risk. Avoid inhalation of vapors or mists.

FIRE FIGHTING EQUIPMENT: Exposure to decomposition products may be a hazard to health. Do not breathe smoke, gases or vapor generated. Wear goggles if *eye* protection is not provided. Wash away any material that comes into contact with the body, clothing or equipment. When fighting fires involving this product. wearfull protective gear. For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may include. but are not limited to: smoke, fumes, carbon oxides (CO, CO2), highly corrosive and toxic hydrofluoric acid fumes. Metallic decomposition products may Include: metal oxide fumes, copper

STABILITY AND REACTIVIT

STABILITY: Stable under normal conditions of use.

POLYMERIZATION; Will not occur.

CONDITIONS TO AVOID: Avoid contact with incompatible materials. Avoid extreme heat. Avoid prolonged exposure to air and moisture.

INCOMPATIBLE MATERIALS: Materials to avoid. oxidizing agents, acids (produces HF gas), strong alkalis, strong reducing agents such as metal hydrides or alkali metals (Reaction with these materials may generate hydrogen gas, which could create an explosive hazard), strong oxidizers, acetylene, ammonia, hydrogen peroxide, bromine azido, chlorine trifluoride, ethyleneimine, oxalic acid, tartaric acid, nitric acid, sulfuric acid, alkalies, bromates, strong bases, magnesium, chlorates, iodates, halogens, halogenated hydrocarbons, moisture. cupric nitrate, peroxides, sulfur.

TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL	DERMAL	INHALATION
	LDso (rat)	LDso(rabbit)	LCso (rat)
C529	3500 to 4100	> 2000 mg/kg	> 20 mg/L /4 hr.
	mg/kg [rat]	[rabbit]	[rat]
Copper	152 mg/kg [rat]		

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NOTES: If excessive quantities of copper or zinc oxide fume are inhaled, it can result in the condition called metal fume fever. The symptoms of metal fume fever will occur within 3 to 10 hours, and include immediate dryness and irritation of the throat, tightness of the chest, rind coughing which may later be followed by flu-lke symptoms of fever, malaise, perspiration, frontal headache. muscle cramps, low back pain, occasionally blurred vision, nausea, and vomiting. There are no recognized complications, after effects, or chronic effects that result from this condition.

EYE EFFECTS: Can cause severe irritation and abrasion. [Contains metal powder and fluoride salts.] **SKIN EFFECTS:** May cause severe irritation.

OTHER INFORMATION

RELEVANT R-PHRASES [for Hazardous Ingredients]:

RG5: Harmful: may cause lung damage if swallowed.

R66. Repeated exposure may cause skin dryness or cracking.

R25: toxic if swallowed. R34: causes burns. R60: May impair fertility.

R61: May cause harm to the unborn child.

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