



Safety Data Sheet

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Version Data 5.20

Product Description

White coated wire
Fluorinated ethylene polymer

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, : 1888-10S-8882 (1888-461-8882)
Emergency Phone No, : +1 832 342 9487

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White Coated wire

INGREDIENTS

Name	CAS Number	Vapor Pressure (mm Hg @ 20°C)	OSHA	OSHL (STEL)	Exposure Limits ACGIH	ACGIH (SRTEL)
Fluorinated Ethylene Propylene	25067-11-2		15.mg/m3 Total Dust PNOR 5 mg/m3 Respirable Dust PNOR			
Water	7732-13-5					
Ethyl benzene	100-41-4		100 ppm		100 ppm	125 ppm 15 min
Xylene (<9%)	1330-20-7		100 ppm		100 ppm	150 ppm 15 min
Glycerin	56-81-5		15.mg/m3 5 mg/m3 Respirable Dust		10.mg/m3	
Octyl phenoxypolyethoxyethanol Surfactant	9036_19_5					
Sodium Polycarboxylate Salt	Not Available					
Titanium Dioxide	13463-67-7		15.mg/m3 Total Dust		10.mg/m3	
Aluminum Hydroxide	216-51-2					
Amorphous Silica	7631-86-9		80. mg/m3/%SiO2		10.mg/m3 Total Dust	

Section 313 supplier notification: The chemicals listed above with percentages are subject to the reporting requirements of section 313 of the Emergency Planning and Right-to-Know Act of 1986 and of 40 CFR 372. Code: A=ACGIH 0=OS11A NE Not Established

PHYSICAL DATA

Evaporation Rate:	Slower than ether
Solubility in Water:	Appreciable
Approximate Boiling Range:	135°C-292°C
Vapor Density:	Heavier than air
Percent Volatile by Volume:	55%
Gallon Weight:	11 pounds

FIRE AND EXPLOSION DATA

Approximate flammable limits: 1-7%
Flash Point: below 100°F
Extinguishing Media: Foam, carbon dioxide, dry chemical

Special Fire Fighting Instructions: Full protective equipment, including self-contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build-up.

Unusual Fire & Explosion Hazards: When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or spray may be flammable at temperatures below the flash point.

At temperatures above 750°F (400°C), small amounts of hydrogen fluoride can be evolved; amounts increase as temperatures increase. Hydrogen fluoride is toxic and can cause skin and eye irritation. High concentrations can cause lung damage.

Explosive reaction may occur above 800oF with finely divided fluorocarbon and metal powder (aluminum or magnesium). Avoid any dust buildup such as can occur with grinding, buffing ort grit blasting.

HEALTH HAZARD INFORMATION

General Effects:

Ingestion: Gastro-intestinal distress. In the unlikely event of digestion, do NOT induce vomiting. Call a physician immediately and have names of ingredients available. .

Inhalation: May cause nose and throat irritation. May cause nervous system depression' characterized by the following progressive steps: headache, dizziness, nausea, staggering gait, confusion, unconsciousness. Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage. If affected by inhalation of vapor or spray mist, remove to fresh air. If breathing difficulty persists, or occurs later, consult a physician.

Inhalation of fumes from overheating of PTFE may cause polymer fume fever, a fie-like illness with fever, chills and sometimes cough for approximately 24 hours duration. There are some reports in the literature of persistent pulmonary effects in individuals, especially smokers, who have had repeated epsisodes of polymer fume fever. Because of complicating facts such as mixed exposures and smoking history, these findings are uncertain. Protection against acute exposure should also provide protection against any potential chronic effects. Smokers should avoid contamination of tobacco products, and should wash their bands before smoking. Significant skin permeation after contact appears unlikely.
This product contains tetrafluoroethylene which is known to the State of California to cause cancer.

Skin/Eye Contact : May cause irritation or burning of the eyes. Repeated or prolonged liquid contact may cause skin irritation with discomfort or dermatitis. In case of eye contact, immediately flush with plenty of water for at least 15 minutes, call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

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Individuals with pre-existing disease of the central nervous system, kidneys, liver, cardiovascular system, lungs, or bone marrow may have increased susceptibility to the toxicity of excessive exposures of xylene. Xylene can be absorbed through the skin in harmful amounts and can cause liver and kidney injury. Canada classifies xylene as a developmental toxin as high exposures to xylene in some animal studies have been reported to cause health effects on the developing fetus/embryo. These effects were often at levels toxic to the adult animal. The significance of these effects to humans is not known.

REACTIVITY DATA

stability:	Stable
incompatibility (materials to avoid):	None reasonably foreseeable.
Hazardous decomposition products:	CO, CO ₂ , smoke, oxides of any heavy metals,
Hazardous polymerization:	Will not occur

PROTECTION INFORMATION

Respiratory:	Do not breathe vapors or mist. Wear a properly-fitted negative-pressure, air-purifying organic vapor respirator (NIOSH/MSHA TC-23C) and particulate filter (NIOSH TC-84A) during application and until all vapors and spray mists are exhausted. In confined spaces or in situations where continuous spray operations are typical, or if it is impossible to properly fit a negative-pressure respirator, wear a positive-pressure, supplier-air respirator (NIOSH/MSHA TC-19C). In all cases, follow respirator manufacturer's directions for respirator use. Do not permit anyone without proper protection in the painting area. Provide sufficient ventilation in volume and pattern to keep contaminants below applicable OSHA requirements.
Protective Clothing:	Wear coveralls and impermeable gloves (e.g. neoprene). Do not reuse coveralls while solvent odor is retained in them.
Eye Protection:	Goggles are preferred to prevent eye irritation. If safety glasses are substituted, include splash guards or side shields.
Protective Creams:	May be used for ease of clean-up, not for protection.
Special Precautions:	Observe label precautions. Keep away from heat, sparks and flame. Close container after each use. Ground containers when pouring. Do not transfer containers to unmarked bottles. Wash thoroughly after handling and before eating and smoking. Do not store above 120°F. Do not sand, flame cut, braze or weld dry coating without NIOSH/MSHA TC-23C, TC-19C or TC-84A approved respirator or appropriate ventilation.

SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Ventilate area. Remove sources of ignition. Prevent skin contact and breathing of vapor. Wear a properly fitted vapor/particulate respirator (NIOSH/MSHA TC-23C) or a positive pressure supplied air respirator (NIOSH/MSHA TC-19), eye protection, gloves and protective clothing. Confine and remove with inert absorbent.

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Waste Disposal Method:

Do not allow material to contaminate ground water-systems. Incinerate absorbed material in accordance with federal, state and local requirements. Do not incinerate in closed containers.

STORAGE CONDITIONS

Store in well-ventilated area. Keep container tightly closed. Do not store above 120°F. Keep away from heat, sparks, flame, static discharge and other sources of ignition. Vapors may cause flash fire. Close container after each use.

GLOSSARY OF TERMS

ACGIH	American Conference of Governmental Industrial Hygienists
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
OSHA	Occupational Safety and health Administration
STEL	Short term exposure limit
TWA	Time-weighted average
PNOR	Particles not otherwise regulated
PNOC	Particles not otherwise classified

