



MATERIALS SAFETY DATA SHEET

Sure Orthodontics – Sure Ortho Glass Ionomer Band Cement - LIQUID

I. GENERAL INFORMATION	
Chemical Name Synonyms: POLY(ACRYLIC ACID) Chemical Family: POLY(CARBOXYLIC ACID) Proper DOT Shipping Name: POLY(CARBOXYLIC ACID AQUEOUS SOLUTION) Manufacturer: <i>Sure Orthodontics</i> Manufacturer's Address <i>P.O. Box 3362 - 1211 Geneva 3 Switzerland</i>	Trade name & Synonyms: Formula: $(\text{CH}_2.\text{CH}.\text{COOH})_n$ - PAA DOT Regulations: NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRNASPORT REGULATIONS
II. INGREDIENTS	
Principal Hazardous Components	Percent Threshold Limit Values (units)
Poly(acrylic acid)	30.0 LD ₅₀ (RAT) >2000 mg/kg
Tartaric acid	10.0 LD ₅₀ (RAT) >2000 mg/kg
III. PHYSICAL PROPERTIES	
Boiling Point (°F): 100°C Vapour pressure (mm Hg): NONE Vapour density (Air=1): NONE Solubility in water: VERY SOLUBLE Appearance & odor: COLOURLESS, FAINT ODOUR	Specific Gravity (H ₂ O=1) = 1.25g/cm ³ Percent Volatile (v/w %) : 60 (WATER) Evaporation Rate: NOT DETERMINED pH 1.4
IV. FIRE & EXPOSURE	
Flash point (test Method): >100°C Flammable Limits: N/A	Auto Ignition Temperature: N/A LEL UEL
Extinguishing media: FOAM, DRY POWDER, WASTE SPRAY/FOG	Special Fire Fighting Precautions: AS WITH ALL FIRES INVOLVING CHEMICALS, CHEMICAL-RESISTANT PROTECTIVE SUIT, SUITABLE GLOVES AND BOOTS AND SELF CONTAINED BREATHING APPARATUS SHOULD BE WORN
Unusual fire & Exposure hazards: NONE	
V. HEALTH HAZARD DATA	
OSHA Permissible Exposure limit: N/A Carcinogen - NIP program: N/A	ACGIH Threshold Limit Value: LD ₅₀ (RAT) >200 mg/kg Carcinogen- IARC Program: N/A
Symptoms of exposure: SLIGHT IRRITATION (REDNESS) UPON REPEATED OR PROLONGED CONTACT WITH SKIN. MORE SENSITIVE TO EYES	Medical Conditions Aggravated by Exposure: NONE
Primary routes of entry: EYES, SKIN, MOUTH	
Emergency first aid: OBTAIN MEDICAL ATTENTION IMMEDIATELY - IN THE MEANTIME, IN THE CASE OF CONTACT, WASH THOROUGHLY WITH WATER. IN THE CASE OF INGESTION, DO NOT MAKE THE CASUALTY VOMIT. IF UNCONCIOUS, NO NOT GIVE ANY THING BY MOUTH. IF CONCIIOUS, RINSE OUT THE MOUTH WITH WATER. GIVE 1 PINT OF WATER TO DRINK IMMEDIATELY AND REPEATED DRINKS AT THE RATE OF 1/3 PINT EVERY 10 MINUTES.	
VI. REACTIVITY DATA	
Stability (Unstable/stable): STABLE Incompatibility: NONE Hazardous Polymerization: NONE Hazardous decomposition Products: CO, CO ₂	Conditions to Avoid: > 40°C Materials to Avoid: REACTIVE MATERIALS, e.g. metals, peroxides, etc Other Conditions to Avoid: NONE
VII. ENVIRONMENTAL PROTECTION PROCEDURES	
Spill response: DRY MOP, THEN CLEAN WITH WATER. USE PROTECTIVE CLOTHING - DO NO NOT HANDLE WITH BARE HANDS.	Waste Disposal Method: DO NOT FLUSH INTO SURFACE WATER OR SANITARY SEWER SYSTEM

Revision 1

Last revised: 15-May-2006
 Approved for Use: 18- May-2006



VIII. SPECIAL PROTECTION INFORMATION	
Eye protection: NONE REQUIRED - HOWEVER, DO NOT EXPIRATE BOTTLE TOWARDS EYES Skin protection: GLOVES Other protection: NONE	Ventilation Recommended: NORMAL CONDITIONS Respiratory Protection (Type) : NONE
IX. SPECIAL PRECAUTIONS	
Hygienic practices in handling & storage: KEEP LID TIGHTLY ON AT ALL TIMES	Precautions for repair & maintenance of contaminated equipment: NONE Other Precautions: NONE

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