SAFETY DATA SHEETS

This SDS packet was issued with item:

078546393

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078348967 078352248

CROSSTEX ZAP™ FLUORIDE GEL

ITEM CODE: UFGABG, UFGACC, UFGAG, UFGAMAR, UFGAOV, UFGAS, UFGAW

MATERIAL SAFETY DATA SHEET

IDENTIFICATION:

Manufactured for: Crosstex International
Address: 10 Ranick Rd, Hauppauge, NY 11788
Telephone: 631-582-6777
Date: February 15, 2007

MATERIAL IDENTIFICATION & INFORMATION:

COMPONENTS – CHEMICAL NAME & COMMON NAME (Hazardous Components 1% or greater; Carcinogens 0.1% or greater):

	%	OSHA PEL	ACGIH TLV	OTHER LMT. REC.
Sodium Fluoride (Poison) LD50 (Orally) RAT: 180MG/Kg		N/A	N/A	
Sodium Saccharine		N/A	N/A	
Non-Hazardous Ingredients				
TOTAL:	100			

PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: Not Determined
Specific Gravity (H20=1): Not Determined
Vapor Pressure (mm HG & Temperature): N/A
Melting Point: Not Determined
Vapor Density (AIR=1): N/A
Evaporation Rate (-1): Not Determined
Solubility in Water: Fairly Soluble
Water Reactive: N/A
Appearance & Odor: Viscous Gel With Odor of Stated Flavor.

FIRE & EXPLOSION HAZARD DATA:

Extinguisher Media: Material Will Not Burn Under Normal Conditions
Special Fire Fighting Procedures: Self Contained Breathing Apparatus
Unusual Fire & Explosive Hazards: None
Flammability Limits in Air % by Volume: LEL UEL –N/A
Flash Point & Method Use: N/A
Auto-ignition Temperature: N/A

REACTIVITY HAZARD DATA:

Stability: Stable
Conditions to Avoid: N/A
Incompatibility (Materials to Avoid): None Known Hazardous
Decomposition Products: None Known
Conditions to Avoid: N/A
Hazardous Polymerization: Will Not Occur

HEALTH HAZARD DATA:

Primary Routes of Entry: Inhalation X Ingestion Skin Absorption
Carcinogen, due to the presence of saccharin, Listed in: NTP Yes OSHA: Yes IARC Monograph: Yes
Health Hazards (Acute & Chronic)
Skin: Prolonged Exposure May Cause Irritation
Eyes: Contact Will Cause Irritation
Ingestion: Excessive Ingestion May Cause Death
Signs & Symptoms of Exposure: Nausea, Vomiting, Abdominal Distress, Diarrhea, Weakness
Medical Conditions Generally Aggravated by Exposure: None Known
Emergency & First Aid Procedures: Seek medical assistance for further treatment, observation & support if necessary.
Eye Contact: Flush Eyes for 15 Minutes
Skin Contact: Wash Skin for 15 Minutes
Inhalation: N/A
Ingestion: Induce Vomiting, Seek Medical Help. Give at least 8oz of Milk

CONTROL & PROTECTIVE MEASURES:

Respiratory Protection (Specify Type): None Needed
Protective Gloves: Optional
Eye Protection: Recommended
Ventilation To Be Used:
Local Exhaust: N/A
Mechanical (general): NA
Special: NA
Protective Clothing & Equipment: Lab Coat or Jacket to Protect Clothing

PRECAUTIONS FOR SAFE HANDLING & USE/LEAK PROCEDURES:

Steps to be taken if Material is Spilled or Released: Wipe Up Spills, Clean Floors with Salt Water or Detergent Solution.
Waste Disposal Methods: Normal Quantities May Be Washed Down Sink.
Precautions to be Taken in Handling & Storage: Avoid Spilling or Getting Into Eyes
Other Precautions and/or Special Hazards: None
NFPA: Rating *____ Health ____ Flammability ____ Reactivity ____ Special ____
HMIS Rating*: Health 1 Flammability 0 Reactivity 0 Personal Protection A

SPECIAL INFORMATION

24 HR EMERGENCY TELEPHONE NUMBER: *INFOTRAC = 1-800-535-5053 Note: Crosstex Int. has compiled this data based on the research & input of qualified experts in the field of microbiology, chemistry and quality assurance. The data are not to be taken as a warranty or representation for which Crosstex Int. assumes legal responsibility. They are offered only for your consideration and verification.

Obtained by Global Safety Management, Inc. (www.globalsafetynet.com)

CROSSTEX A CANTEL MEDICAL COMPANY | PROTECTS®
10 Ranick Road
Hauppauge, NY 11788-4209
Tel: 888-276-7783 | Fax: 631-582-1726
crosstex.com

Safety Data Sheet

Section 1 – Identification

Product Name: **ZAP® Fluoride Gel (Various Flavors)**

Active Ingredient: Sodium Fluoride

Product Code(s): UFGABG, UFGAC, UFGACC, UFGAG, UFGAMAR, UFGAOV, UFGAS, UFGAW, UFGADFM

Family: Fluoride Treatment

Product Use: Professional Dental Preventive Care

Manufacturer: Crosstex
10 Ranick Road
Hauppauge, New York 11788
631.582.6777

Emergency Phone Numbers:
INFOTRAC:
24-Hour Number:1-800-535-5053
International: +1-352-323-3500

Section 2 – Hazards Identification

EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- Will cause eye irritation.
- May cause skin irritation.
- Prolong exposure may cause respiratory system irritation.
- Ingestion of large amounts may cause nausea, vomiting, headaches, or dizziness.
- Please read entire SDS for additional information.



Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of Entry	Inhalation, skin, and ingestion.
Eye	Vapors are irritating to the eyes. Splashes may cause redness of the eye.
Skin	Repeated/prolonged contact may cause mild irritation of the skin. Symptoms include redness, burning, or itching.
Ingestion	Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. Symptoms include irritation of the throat, nausea, dizziness, and upset stomach.
Inhalation	If fine small particles are inhaled, irritation of the throat with a feeling of tightness in the chest may occur.

NOTE: Refer to Section 11, Toxicological Information for Details

Section 3 – Composition/Information on Ingredients

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Phosphoric Acid	7664-38-2	231-633-2	Phosphoric Acid	TWA = 1 mg/ m^3	TWA = 1 mg/ m^3 STEL = 3 mg/ m^3	Not listed	1-5
Sodium Fluoride	7681-49-4	231-667-8	Sodium Fluoride	TWA = 3ppm / 6ppm	2.5 mg / m^3	Not Listed	1-3

N/E – None Established
N/DA – No Data Available
N/A – Not Applicable
N/R – Not Reviewed

(items in parenthesis relate to 1999/45/EC)

Phosphoric Acid: Danger Symbol – GHS05 (C) Hazard Statement – H314 (R34) Precautionary Statement – P102 (S1/2), P305+334 (S26), P309+314 (S45)

Sodium Fluoride: Danger Symbol – GHS06 (T), GHS07 (Xi) Hazard Statement – H301 (R25), EUH032 (R32), H315 (R38), H319 (R36) Precautionary Statement – P102 (S2), P260 (S23), P280 (S36/37/39), P309+314 (S45)

See Section 16 for Hazard and Precautionary Statement Key.

Section 4 – First Aid Measures

First Aid for Eye	Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
First Aid for Skin	Wash thoroughly with soap and water. Remove contaminated clothing. Get medical help if discomfort persists.
First Aid for Ingestion	If greater than normal dose is swallowed, do not induce vomiting. Drink large quantity of water or milk. Seek medical attention.

Obtained by Global Safety Management, www.globalsafetynet.com, (877) 683-7460

First Aid for Inhalation	Move to fresh air. If having breathing difficulty, give oxygen. Seek medical attention if discomfort persists.

Section 5 – Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
N/A	N/A	N/A

Method:	
Extinguishing Media:	Carbon dioxide, dry chemical foam
Fire Fighting Instructions:	During a fire, irritating or highly toxic gases may be generated by thermal decomposition. If potential for exposure, wear complete personal protective equipment including self contained breathing apparatus, with full face operated in pressure demand.
Unusual Hazards:	Evacuate all personnel.

Section 6 – Accidental Release Measures

Spill or Release Procedures	Minor spills – Clean up immediately, avoid contact with skin and eyes. Mop / wipe area and clean with soapy water Major spills – Clear area of personnel. Restrict access to area. Avoid contact with skin and eyes, and dilute area with soapy water. Collect contaminated water and dispose of properly. See section 8 & section 12.

Section 7 – Handling and Storage

Handling	Limit all unnecessary personal contact. Avoid breathing vapors. Wear appropriate PPE.
Storage	Store in a cool , well ventilated area away from heat, sparks and flame. Keep containers closed when not in use. Keep in original container provided by manufacturer.
Explosion Hazard	None.

Section 8 – Exposure Controls / Personal Protection

Engineering Controls	General exhaust is adequate under normal operating conditions.

Personal Protective Equipment

General	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132), or European Standard EN166 be conducted before using this product.
Eye/ Face Protection	Safety glasses / goggles or splash shields are required when handling. Ensure eye bath is on hand.
Skin Protection	Use impermeable clothing to prevent ANY contact with this product, such as gloves, apron, boots, or whole body suit.
Respiratory Protection	In case of insufficient ventilation, wear suitable respiratory equipment.

Section 9 – Physical and Chemical Properties

Appearance	Odor & Odor Threshold	$_{p}$H	Specific Gravity	Viscosity	% Volatile
Gel	Odor of Stated Flavor	N/A	(H2O = 1): N/A	N/A	N/A

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility In Water (20°C)
N/A	N/DA	N/DA	N/A	N/A	N/A	N/A	N/A

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
N/A	N/A	N/A

Obtained by Global Safety Management, www.globalsafetynet.com, (877) 683-7460

Section 10 – Stability and Reactivity

Stability:	**Incompatibility (Materials to Avoid):**
Stable	Strong Acids
Hazardous Decomposition Products:	**Hazardous Polymerization:**
Toxic Fumes (HF)	Will not occur

Conditions to Avoid: Heat and incompatible materials

Section 11 – Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation – Eye
N/DA	N/DA	N/DA	N/DA	N/ DA

Sensitization	Mutagenicity	Sub-chronic Toxicity
N/ DA	N/DA	N/ DA

Section 12 – Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
N/DA	N/ DA	N/ DA	N/ DA	N/ DA

Chemical Fate Information

Biodegradability	Biodegradable. This material is not expected to significantly bio-accumulate.
Chemical Oxygen Demand	N/ DA

Section 13 – Disposal Considerations

Dispose of in compliance with governmental regulation (state and federal).

Dispose of container and unused contents in accordance with federal, state and local requirements. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

Section 14 – Transport Information

DOT (49 CFR 172)	
Proper Shipping Name:	Non-regulated material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
Emergency Response Guidebook (ERG) #:	**N/A**
IATA (DGR):	
Proper Shipping Name:	Non-regulated material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	N/A
Emergency Response Guidance (ICAO)#:	N/A
IMO (IMDG):	
Proper Shipping Name:	Non-regulated material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	N/A
Emergency Schedule (EmS)#:	**N/A**
Other Information:	**N/A**

Obtained by Global Safety Management, www.globalsafetynet.com, (877) 683-7460

Section 15 – Regulatory Information

US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following HAP's or ODS: • NONE
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U. S. Clean Water Act Priority Pollutant and Hazardous Substance List: • None
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and / or other applications as an indirect food-packaging additive.
Occupational Safety and Health Act	This product is considered to be hazardous under the OSHA Hazard Communication Standard. It's hazards are: • Phosphoric Acid CAS # 7664-38-2 (Corrosive)
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA (40 CFR 261). • None
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Section 302 as extremely hazardous substances.
SARA Title III: Section 302 (TPQ)	This product contains chemicals regulated under Section 304 as extremely hazardous chemicals for emergency release notification ("CERCLA" List): • Sodium Fluoride – CAS #7681-49-4 1000 # RQ
SARA Title III: Section 311-312:	This product is considered to be hazardous under the OSHA Hazard Communication Standard and is regulated under Section 311-312 (40 CFR 370). It's hazards are: • Sodium Fluoride – CAS# 7681-49-4 (Corrosive) • Phosphoric Acid CAS #7664-38-2 (Corrosive)
SARA Title III: Section 313:	This product contains the following chemicals which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: • None
TSCA Section 8(b): Inventory: TSCA Significant New Use Rule:	This product does contain chemicals listed on the TSCA inventory or otherwise complies with TSCA pre-manufacture notification requirements. • Sodium Fluoride – CAS# 7681-49-4 • Phosphoric Acid CAS #7664-38-2 None of the chemicals in this material have a SNUR under TSCA.

State Regulations

CA Right-to-Know Law: California No Significant Risk Rule:	Sodium Fluoride – CAS# 7681-49-4 None
MA Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4 Phosphoric Acid CAS # 7664-38-2
NJ Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4 Phosphoric Acid CAS # 7664-38-2
PA Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4 Phosphoric Acid CAS # 7664-38-2
FL Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4
MN Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4 Phosphoric Acid CAS # 7664-38-2

International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Sodium Fluoride – CAS# 7681-49-4 Phosphoric Acid CAS # 7664-38-2

Labeling according to EC directives – 1272/2008 {CLP} AND 1999/45/EC (items in parenthesis relate to 1999/45/EC)

European Community: 	**For Gelato APF Fluoride Gel (finished product):** • DANGER SYMBOLS: **GHS07 (Xi) –** *Warning / Irritant* • HAZARD STATEMENT: **H316 (N/A),** Causes mild skin irritation**. H319 (R36),** Causes serious eye irritation. **H335 (R37)**, May cause respiratory irritation. **H303 (N/A)**, May be harmful if swallowed. • PRECAUTIONARY STATEMENT: **P102 (S2)**, Keep out of reach of children. **P210**

Obtained by Global Safety Management, www.globalsafetynet.com, (877) 683-7460

	(S15), Keep away from heat/sparks/open flames/hot surfaces. **P261 (S24)**, Avoid breathing dust/fume/gas mist/vapor sprays. **P280 (S36/37/39)**, Wear protective gloves/clothing/eye protection/face protection. **P309+314 (S45)**, If exposed or you feel unwell, get medical advice/attention.

Section 16 – Other Information

EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):

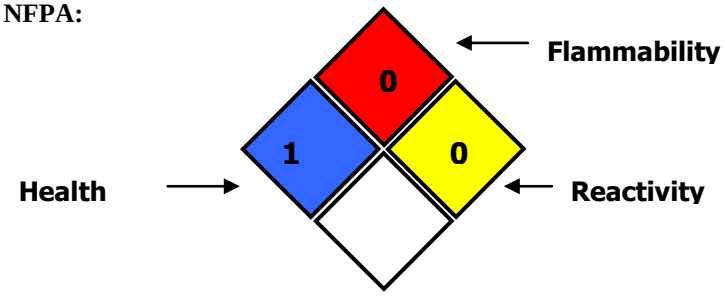
(items in parenthesis relate to 1999/45/EC)
Danger Symbols:
GHS06 (T) – Toxic. GHS07 (Xi) – Warning / Irritants. GHS05 (C) - Corrosive

Hazard Statement: H301 (R25), Toxic if swallowed**. H314 (R34),** Causes severe skin burns and eye damage. **H315 (R38),** Causes skin irritation**. H316 (N/A)** Causes mild skin irritation**. H319 (R36),** Causes serious eye irritation**. H335 (R37)**, May cause respiratory irritation. **H336 (R67)**, May cause drowsiness or dizziness. **EUH032 (R32)**, Contact with acid liberates very toxic gas. **H303 (N/A)**, May be harmful if swallowed.

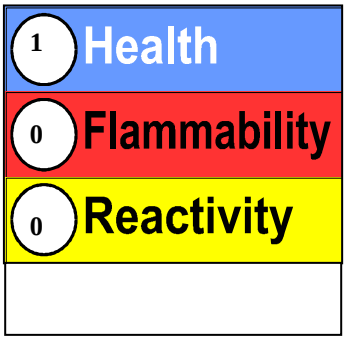
Precautionary Statement: P102 (S1 or S2), Keep out of reach of children. **P210 (S15),** Keep away from heat/sparks/open flames/hot surfaces. **P260 (S23)**, Do not breathe dust/fume/gas/mist/vapors/spray. **P261 (S24)**, Avoid breathing dust/fume/gas mist/vapor sprays. **P280 (S36/37/39)**, Wear protective gloves/clothing/eye protection/face protection. **P305+334 (S26),** In case of contact with eyes, rinse immediately with water. **P309+314 (S45)**, If exposed or you feel unwell, get medical advice/attention. **P404 (S7)**, Store in a closed container. **P403+235 (S3/9)**, Store in a well ventilated place. Keep cool.

Hazard Rating System (Pictograms)

NFPA:



HMIS:



The information contained in this document is correct to the best of our knowledge and is based on current information at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. Crosstex makes no guarantees or warranty to the validity, accuracy, or currency and shall not be liable or responsible in any way for use of either this information or the materials described.

Obtained by Global Safety Management, www.globalsafetynet.com, (877) 683-7460