

**Section 1 – Identification**

**Product Name:** MARK3Neutral Fluoride Rinse      **Manufacturer:** Cargus International, Inc.  
 135 North Route 9W  
 Congers, New York 10920

**Active Ingredient:** Sodium Fluoride      **Information Contacts:** (845) 267-2600

**Emergency Phone Numbers:** US & Canada (845) 267-2600

**Family:** Mouth Wash  
**Product Use:** Professional Dental Mouth Rinse  
**Product #:** Various

**Section 2 – Hazards Identification**

**EMERGENCY OVERVIEW**

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

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



**Potential Health Effects, Signs and Symptoms of Exposure:**

**Primary Route of Entry**      Inhalation, skin, and ingestion.

**Eye**      Vapors and direct contact are irritating to the eyes. Splashes may cause redness of the eye.

**Skin**      Repeat/prolong 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 mist is 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	Limits ACGIH	Carcinogen	%
				TWA/STEL	TWA/STEL		
Sodium Fluoride	7681-49-4	231-667-8	Sodium Fluoride	3ppm / 6ppm	2.5 mg / m <sup>3</sup>	Not Listed	2-3

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

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

**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. Prolong contact will cause irritation. 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.

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:      Suitable extinguishing media for the surrounding fire should be used.

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. Fight fire from a safe distance/protected location.

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 area and clean with soapy water  
Major spills – Clear area of personnel. Restrict access to area. Avoid contact with skin and eyes, and mop / squeegee 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	pH	Specific Gravity	Viscosity	% Volatile		
Clear liquid	Odor of Stated Flavor	6-8	(H2O = 1): 1	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

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

**Section 10 – Stability and Reactivity**

<b>Stability:</b> Stable	<b>Incompatibility (Materials to Avoid):</b> Strong Acids
<b>Hazardous Decomposition Products:</b> Toxic Fumes (HF)	<b>Hazardous Polymerization:</b> Will not occur
<b>Conditions to Avoid:</b> Heat and incompatible materials	

**Section 11 – Toxicological Information**

<b>Acute Oral Toxicity</b>	<b>Acute Dermal Toxicity</b>	<b>Acute Inhalation Toxicity</b>	<b>Irritation – skin</b>	<b>Irritation – Eye</b>
N/DA	N/DA	N/DA	N/DA	N/DA
<b>Sensitization</b>		<b>Mutagenicity</b>	<b>Sub-chronic Toxicity</b>	
N/DA		N/DA	N/DA	

**Section 12 – Ecological Information**
**Ecotoxicological Information**

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

**Chemical Fate Information**

<b>Biodegradability</b>	Biodegradable. This material is not expected to bioaccumulate.
<b>Chemical Oxygen Demand</b>	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**

<b>DOT (49 CFR 172)</b>	
Proper Shipping Name:	Non-regulated material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
<b>Emergency Response Guidebook (ERG) #:</b>	<b>N/A</b>
<b>IATA (DGR):</b>	Non-regulated material
Proper Shipping Name:	N/A
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	N/A

<b>Emergency Response Guidance (ICAO)#:</b>	
<b>IMO (IMDG):</b>	
Proper Shipping Name:	Non-regulated material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	N/A
<b>Emergency Schedule (EmS)#:</b>	N/A
<b>Other Information:</b>	N/A

**Section 15 – Regulatory Information**

**US Federal Regulations**

Clean Air Act: HAP/ODS	This product contains the following HAP's or ODS: <ul style="list-style-type: none"> <li>NONE</li> </ul>
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: <ul style="list-style-type: none"> <li>None</li> </ul>
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: <ul style="list-style-type: none"> <li>None</li> </ul>
RCRA	This product contains the following chemicals considered to be hazardous waste under RCRA ( 40 CFR 261). <ul style="list-style-type: none"> <li>None</li> </ul>
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): <ul style="list-style-type: none"> <li>Sodium Fluoride – CAS# 7681-49-4 RQ 1,000 lbs.</li> </ul>
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: <ul style="list-style-type: none"> <li>Sodium Fluoride – CAS # 7681-49-4 RQ 1000 lbs. (corrosive)</li> </ul>
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: <ul style="list-style-type: none"> <li>None</li> </ul>
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. <ul style="list-style-type: none"> <li>Sodium Fluoride – CAS# 7681-49-4</li> </ul> None of the chemicals in this material have a SNUR under TSCA.

**State Regulations**


CA Right-to-Know Law: California No Significant Risk	Sodium Fluoride – CAS# 7681-49-4 None
MA Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4
NJ Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4
PA Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4
FL Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4

MN Right-to-Know Law:	Sodium Fluoride – CAS# 7681-49-4
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**International Regulations**

CDSL: Canadian Inventory (on Canadian Transitional List)	Sodium Fluoride – CAS# 7681-49-4
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**Labeling according to EC directives – 1272/2008 {CLP} and 1999/45/EC (items in parenthesis relate to 1999/45/EC)**

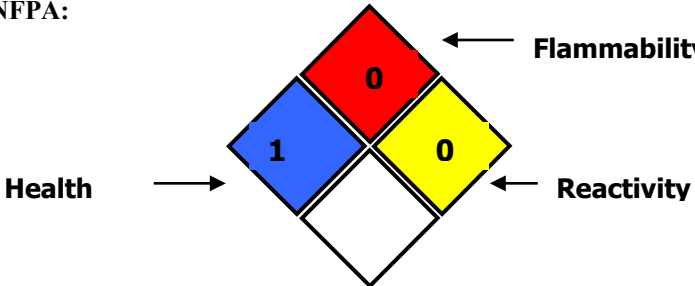
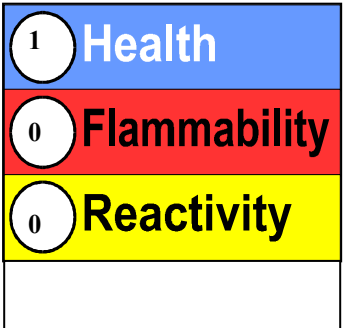
<p>European Community:</p> 	<p><b>For Ionite-R Neutral Fluoride Rinse (finished product):</b></p> <ul style="list-style-type: none"> <li>• DANGER SYMBOLS: <b>GHS07 (Xi)</b> – <i>Warning / Irritant</i></li> <li>• HAZARD STATEMENT: <b>H316 (N/A)</b>, Causes mild skin irritation. <b>H319 (R36)</b>, Causes serious eye irritation <b>H335 (R37)</b>, May cause respiratory irritation. <b>H303 (N/A)</b>, May be harmful if swallowed</li> <li>• PRECAUTIONARY STATEMENT: <b>P102 (S2)</b>, Keep out of reach of children. <b>P261 (S24)</b>, Avoid breathing dust/fume/gas mist/vapor sprays. <b>P280 (S36/37/39)</b>, Wear protective gloves/clothing/eye protection/face protection. <b>P309+314 (S45)</b>, If exposed or you feel unwell, get medical advice/attention.</li> </ul>
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**Section 16 – Other Information**

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

<p>(items in parenthesis relate to 1999/45/EC)</p> <p><b>Danger Symbols:</b> GHS06 (T) – Toxic GHS07 (Xi) – Warning (Irritants)</p> <p><b>Hazard Statement:</b> <b>H301 (R25)</b>, Toxic if swallowed. <b>H315 (R38)</b>, Causes skin irritation. <b>H316 (N/A)</b> Causes mild skin irritation. <b>H319 (R36)</b>, Causes serious eye irritation. <b>H335 (R37)</b>, May cause respiratory irritation. <b>H336 (R67)</b>, May cause drowsiness or dizziness. <b>EUH032 (R32)</b>, Contact with acid liberates very toxic gas. <b>H303 (N/A)</b>, May be harmful if swallowed</p> <p><b>Precautionary Statement:</b> <b>P102 (S2)</b>, Keep out of reach of children. <b>P260 (S23)</b>, Do not breathe dust/fume/gas/mist/vapors/spray. <b>P261 (S24)</b>, Avoid breathing dust/fume/gas mist/vapor sprays. <b>P280 (S36/37/39)</b>, Wear protective gloves/clothing/eye protection/face protection. <b>P309+314 (S45)</b>, If exposed or you feel unwell, get medical advice/attention.</p>
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**Hazard Rating System (Pictograms)**

<p><b>NFPA:</b></p> 	<p><b>HMIS:</b></p> 
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Prepared by:	Gavin Gabai
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