

**Section 1 – Identification**

<b>Product Name:</b>	MARK3 Desensitizing Agent	<b>Manufacturer:</b>	Cargus International, Inc. 135 Route 9W North Congers, New York, 10920
<b>Family:</b>	Desensitizing Products	<b>Information Contacts:</b>	(845) 267-2600
<b>Product Use:</b>	Professional Desensitization	<b>Emergency Phone Numbers:</b>	US & Canada: (845) 267-2600

**Section 2 – Hazards Identification**

**EMERGENCY OVERVIEW**

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

- Irritant for eyes.
- Slight irritant for skin.
- Prolong exposure does not cause respiratory system irritation.
- Ingestion of large amounts may cause nausea, vomiting, headaches, or dizziness.



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

Primary Route of Entry	Inhalation, skin, and ingestion.
Eye	Irritant for eyes.
Skin	Slight irritant for skin
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	Not Applicable.

**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	%
Benzalkonium chloride	8001-54-5	N/A	N/A	0.2 ppmv	0.2 ppmv	N/A	1-5%
Sodium Fluoride	7681-49-4	N/A	N/A	1-2 ppmv	1-2 ppmv	N/A	10 ppm
Hydroxyethyl Methacrylate	868-77-9	N/A	N/A	N/E	N/E	N/A	25-45%
N/E – None Established N/R – Not Reviewed	N/DA – No Data Available N/A – Not Applicable						

**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 off affected area with soap and water.
First Aid for Ingestion	Small quantities will pass through system. If greater than normal dose is swallowed, do not induce vomiting. Drink large quantity of water. Seek medical attention.
First Aid for Inhalation	Not applicable.

**Section 5 – Fire Fighting Measures**

<b>Flash Point (°F/°C)</b>	<b>Flammable Limit (vol%)</b>	<b>Auto-ignition Temperature (vol%)</b>
>104 degrees Celsius	N/A	N/A

**Method:**

Extinguishing Media: Carbon dioxide, dry chemical foam

Fire Fighting Instructions: None

Unusual Hazards: None

**Section 6 – Accidental Release Measures**

Spill or Release Procedures: Minor spills – Clean up immediately, avoid contact with eyes. Mop / wipe area and clean with soapy water  
Major spills – Clear area of personnel. Restrict access to area. Avoid contact with 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: Does not require specific technical measures.  
Storage: Store in a cool area away from heat. 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: None Required  
**Personal Protective Equipment**  
Eye/Face Protection: Safety glasses/goggles or splash shields are recommended.  
Skin Protection: Rubber/PVC gloves. Protective gown.  
Respiratory Protection: None Required

**Section 9 – Physical and Chemical Properties**

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile		
Clear Liquid	Odorless	N/A	>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/DA	N/DA	N/DA	N/DA	N/DA	N/A	N/A	Soluble
Flash Point (°F/°C)		Flammable Limit (vol%)		Auto-ignition Temperature (vol%)			
N/DA		N/A		N/A			

**Section 10 – Stability and Reactivity**

**Stability:** Stable  
**Hazardous Decomposition Products:** None Known  
**Conditions to Avoid:** Prolonged Extreme Heat and free radical initiators  
**Incompatibility (Materials to Avoid):** Contact with Iron  
**Hazardous Polymerization:** Will not occur

**Section 11 – Toxicological Information**

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation – skin	Irritation – Eye
2000 mg/kg	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**

<b>Biodegradability</b>	Biodegradable
<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>	N/A
<b>IATA (DGR):</b>	
Proper Shipping Name:	Non-regulated material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	N/A
<b>Emergency Response Guidance (ICAO)#:</b>	N/A
<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>

**Safety Data Sheet**

**MARK3 Desensitizing Solution**

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): Sodium Fluoride – CAS #7681-49-4
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): Sodium Fluoride – CAS #7681-49-4
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: Sodium Fluoride – CAS 7681-49-4 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
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

**International Regulations**

CDSL: Canadian Inventory (on Canadian Transitional List)	Sodium Fluoride – CAS# 7681-49-4
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**Section 16 – Other Information**

**Hazard Rating System (Pictograms)**

<p><b>NFPA:</b></p>	<p><b>HMIS:</b></p>
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Prepared By:	Gavin Gabai
Revision History:	07/26/15 Revision A, Initial Issue

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