

**FTC-DEV1**

SDS Number: 102720

Revision Date: 4/25/2022

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**1 PRODUCT AND COMPANY IDENTIFICATION**

**Manufacturer**

Grafsolve  
1550 24th Street  
North Chicago, IL 60064

**Phone:** 847-775-4550

**Web:** grafsolve.com

**2 HAZARDS IDENTIFICATION**

**Classification of the Substance or Mixture**

**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Physical, Corrosive to Metals, 1

**GHS Label Elements, Including Precautionary Statements**

**GHS Signal Word:** **WARNING**

**GHS Hazard Pictograms:**



**GHS Hazard Statements:**

H290 - May be corrosive to metals

**GHS Precautionary Statements:**

No GHS precautionary statements indicated

**Hazards not Otherwise Classified (HNOC) or not Covered by GHS**

**Route of Entry:**

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.  
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE). WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.  
HYGROSCOPIC

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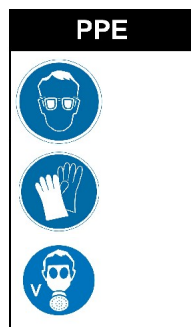
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**HMIS III:** Health = 2, Fire = 0, Physical Hazard = 1  
**HMIS PPE:** G - Safety Glasses, Gloves, Vapor Respirator

HMIS	
HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	1
PERSONAL PROTECTION	G



**3 COMPOSITION/INFORMATION OF INGREDIENTS**

Chemical Ingredients:			
CAS#	%	Chemical Name:	
7732-18-5	75-85%	Water	
6834-92-0	8-12%	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), disodium salt	
1344-09-8	0.5-3%	Silicic acid, sodium salt	
1310-73-2	<1%	Sodium hydroxide	
25322-68-3	<2%	Polyethylene glycols	

**4 FIRST AID MEASURES**

**Inhalation:** IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN

**Skin Contact:** IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. CALL A PHYSICIAN

**Eye Contact:** IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN

**Ingestion:** IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.

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**FIRE FIGHTING MEASURES**

EXTINGUISHING MEDIA  
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES  
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS  
EMITS TOXIC FUMES UNDER FIRE CONDITIONS

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**ACCIDENTAL RELEASE MEASURES**

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.  
PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.  
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.  
EVACUATE AREA.  
AVOID CONTAMINATING WATER SUPPLY.  
AVOID CONTAMINATING SEWERS AND WATERWAYS WITH THIS MATERIAL.

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**HANDLING AND STORAGE**

**Handling Precautions:** CHEMICAL SAFETY GOGGLES.  
CHEMICAL RESISTANT GLOVES.

**Storage Requirements:** KEEP TIGHTLY CLOSED.  
STORE IN A COOL DRY PLACE

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<b>8</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**Personal Protective Equipment:** HMIS PP, G | Safety Glasses, Gloves, Vapor Respirator  
SAFETY SHOWER AND EYE BATH.

WASH CONTAMINATED CLOTHING BEFORE REUSE.  
DISCARD CONTAMINATED SHOES.  
WASH THOROUGHLY AFTER HANDLING.  
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.  
AVOID PROLONGED OR REPEATED EXPOSURE.  
NIOSH/MSHA-APPROVED RESPIRATOR.  
COMPATIBLE CHEMICAL-RESISTANT GLOVES.

<b>9</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**Appearance:** ORDORLESS YELLOW LIQUID

<b>10</b>	<b>STABILITY AND REACTIVITY</b>
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**Chemical Stability:** Stable

**Conditions to Avoid:** STRONG ACIDS  
LEAD  
TIN/TIN OXIDES  
ZINC  
ALUMINUM

**Hazardous Decomposition:** SODIUM/SODIUM OXIDES  
SILICON OXIDE  
HYDROGEN GAS  
CARBON MONOXIDE, CARBON DIOXIDE

**Hazardous Polymerization:** WILL NOT OCCUR.

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**TOXICOLOGICAL INFORMATION**

ACUTE EFFECTS

INHALATION MAY RESULT IN SPASM, INFLAMMATION AND EDEMA OF THE LARYNX AND BRONCHI, CHEMICAL PNEUMONITIS AND PULMONARY EDEMA.

SYMPTOMS OF EXPOSURE MAY INCLUDE BURNING SENSATION, COUGHING, WHEEZING, LARYNGITIS, SHORTNESS OF BREATH, HEADACHE, NAUSEA AND VOMITING.

MATERIAL IS EXTREMELY DESTRUCTIVE TO TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT, EYES AND SKIN. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

MAY BE HARMFUL IF INHALED.

MATERIAL IS EXTREMELY DESTRUCTIVE TO THE TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

HARMFUL IF SWALLOWED.

RTECS #: VV9275000

SILICIC ACID (H<sub>2</sub>SiO<sub>3</sub>), DISODIUM SALT

IRRITATION DATA

SKN-HMN 250 MG/24H SEV TXAPA9 31,481,1975

SKN-RBT 250 MG/24H SEV TXAPA9 31,481,1975

SKN-GPG 250 MG/24H MOD TXAPA9 31,481,1975

TOXICITY DATA

ORL-RAT LD50:1153 MG/KG TOLED5

31(SUPPL),44,1986

ORL-MUS LD50:770 MG/KG TOLED5

31(SUPPL),44,1986

TARGET ORGAN DATA

LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

GASTROINTESTINAL (ULCERATION OR BLEEDING FROM STOMACH)

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GASTROINTESTINAL (ULCERATION OR BLEEDING FROM DUODEUM)  
GASTROINTESTINAL (ULCERATION OR BLEEDING FROM SMALL  
INTESTINE)GASTROINTESTINAL (OTHER CHANGES)  
KIDNEY, URETER, BLADDER (OTHER CHANGES)  
PATERNAL EFFECTS (TESTES, EPIDIDYMIS, SPERM DUCT)  
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL  
SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN  
RTECS FOR COMPLETE INFORMATION.

**12** **ECOLOGICAL INFORMATION**

N/A

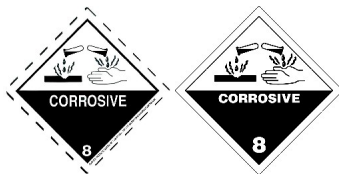
**13** **DISPOSAL CONSIDERATIONS**

CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO  
DISPOSE OF THIS MATERIAL.  
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

**14** **TRANSPORT INFORMATION**

UN1719 Caustic Alkali Liquid, PGIII, (Sodium Metasilicate)

NON-HAZARDOUS MATERIAL



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**REGULATORY INFORMATION**

Component (CAS#) [%] - CODES

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Silicic acid (H<sub>2</sub>SiO<sub>3</sub>), disodium salt (6834-92-0) [5-7%] TSCA

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory CODE Descriptions

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RQ = Reportable Quantity  
TSCA = Toxic Substances Control Act  
CERCLA = Superfund clean up substance  
CSWHS = Clean Water Act Hazardous substances  
MASS = MA Massachusetts Hazardous Substances List  
OSHAWAC = OSHA Workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
HAP = Hazardous Air Pollutants

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**OTHER INFORMATION**

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. GRAFSOLVE SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

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