

1. Product and Company Identification

Product Code:	KRT/100	
Product Name:	Tivaclean	
Company Name:	Krohn Industries, Inc. 303 Veterans Blvd. Carlstadt, NJ	Phone Number: 1 (201)933-9696
Emergency Contact:	ChemTel	1 (800)255-3924
Information:	Krohn Industries	1 (201)933-9696

2. Hazards Identification

Skin Corrosion/Irritation, Category 3
Specific Target Organ Toxicity (single exposure), Category 1
Specific Target Organ Toxicity (repeated exposure), Category 1
Serious Eye Damage/Eye Irritation, Category 2B



GHS Signal Word:	Danger
GHS Hazard Phrases:	Causes mild skin irritation. Causes eye irritation. May cause respiratory irritation. Harmful if inhaled Harmful if swallowed.
GHS Precaution Phrases:	Keep out of reach of children. Read label before use. Do not breathe {dust/fume/gas/mist/vapours/spray}. Do not get in eyes, on skin, or on clothing. Wear rubber gloves, chemical goggles, face shield and rubber apron. Wash hands thoroughly after handling.
GHS Response Phrases:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get immediate medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention. IF ON SKIN: Take off contaminated clothing and wash before re-use. Wash with plenty of water for 15 minutes. If skin irritation occurs: Get medical advice/attention. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get immediate medical advice/attention. Medical and Transportation Emergencies contact ChemTel 1-800-255-3924
GHS Storage and Disposal Phrases:	Store locked up. Dispose of contents/container in accordance to local, state and federal regulations.

Potential Health Effects No data available.

(Acute and Chronic):

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
10101-89-0	Sodium phosphate, Tribasic dodecahydrate	65.0 -75.0 %
14808-60-7	Quartz {Silica-crystalline; Cistobalite; Tridymite}	< 5.0 %
13517-24-3	Silicic acid (H ₂ SiO ₃), disodium salt, nonahydrate {Sodium metasilicate, nonahydrate; Disodium trioxosilicate nonahydrate}	20.0 -30.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

- In Case of Inhalation:** Immediately move victim to fresh air. If experiencing respiratory symptoms: Get medical advice/attention.
- In Case of Skin Contact:** Brush off loose excess material. Flush thoroughly with fresh, tepid water for 15 minutes. Discard contaminated clothing and footwear or wash before reuse. If skin irritation occurs: Get medical advice/attention.
- In Case of Eye Contact:** Immediately flush eyes with large amounts of fresh, tepid water for at least 15 minutes. Hold eyelids open to ensure complete irrigation of eye and lid tissues. Tilt head to the side and irrigate the eye from the bridge of the nose to the outside of the face. Keep run-off from entering the other eye, mouth or ear. Washing eye within the first few seconds is essential to achieve maximum effectiveness. Get immediate medical advice/attention.
- In Case of Ingestion:** Do not induce vomiting. Rinse mouth with fresh, Tepid water, than immediately drink 4-8 oz. or milk or water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get immediate medical advice/attention.

5. Fire Fighting Measures

- Flash Pt:** No data.
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- Suitable Extinguishing Media:** Dry chemical, CO₂, sand, earth, water spray or regular foam.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Flammable Properties and Hazards:** No data available.
- No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Rubber or neoprene gloves, Safety glasses. NIOSH/MSHA approved respirator. Wear chemical protective clothing.

Steps To Be Taken In Case Material Is Released Or Spilled: Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and Storage

Precautions To Be Taken in Handling: For industrial or institutional use only.

Precautions To Be Taken in Storing: Keep container closed when not in use. Store in a cool, dry place. Store away from incompatible material

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
10101-89-0	Sodium phosphate, Tribasic dodecahydrate	No data.	No data.	No data.
14808-60-7	Quartz {Silica-crystalline; Cistobalite; Tridymite}	PEL: 8825 ppm/(%SiO2+5)	TLV: 0.05 mg/m3 (R)	No data.
13517-24-3	Silicic acid (H2Si)3, disodium salt, nonahydrate {Sodium metasilicate, nonahydrate; Disodium trioxosilicate nonahydrate}	No data.	No data.	No data.

Respiratory Equipment (Specify Type): NIOSH/MSHA approved respirator

Eye Protection: Safety glasses

Protective Gloves: Rubber or neoprene gloves

Other Protective Clothing: Wear chemical protective clothing.

Engineering Controls (Ventilation etc.): No data available.

9. Physical and Chemical Properties

Physical States: [] Gas [] Liquid [X] Solid

Appearance and Odor: Appearance: Crystalline Redish Orange Powder

Melting Point: No data.

Boiling Point: No data.

Flash Pt: No data.

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

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Supersedes Revision: 03/04/2015

Specific Gravity (Water = 1): No data.
Solubility in Water: 100
Percent Volatile: No data.
Autoignition Pt: No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: While storing powder keep from getting damp/or wet.
Incompatibility - Materials To Avoid: No data available.
Hazardous Decomposition or Byproducts: No data available.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: Inhalation, Eye contact, Skin contact
Irritation or Corrosion: Eyes: Causes serious eye irritation.
Skin: May cause mild skin irritation.
Ingestion: Health injuries are not known or expected under normal use.
Inhalation: May cause nose, throat, and lung irritation
Symptoms related to Toxicological Characteristics: Eyes: Redness, pain, irritation.
Skin: Redness, pain, irritation.
Ingestion: No known significant effects or critical hazards.
Inhalation: Respiratory irritation, cough
Chronic Toxicological Effects: Quartz CAS# 14808-60-7 If inhaled may be carcinogenic.
Carcinogenicity/Other Information: Quartz CAS# 14808-60-7 is a possible carcinogen.
Carcinogenicity: NTP? Yes IARC Monographs? Yes OSHA Regulated? No

12. Ecological Information

General Ecological Information: May be harmful to aquatic life.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents/container in accordance to local, state and federal regulations.

14. Transport Information

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LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Compound Cleaning, Not Regulated.

DOT Hazard Class:

UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

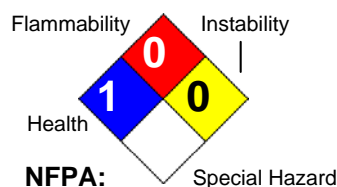
CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
10101-89-0	Sodium phosphate, Tribasic dodecahydrate	No	Yes 5000 LB	No
14808-60-7	Quartz {Silica-crystalline; Cistobalite; Tridymite}	No	No	No
13517-24-3	Silicic acid (H ₂ SiO ₃), disodium salt, nonahydrate {Sodium metasilicate, nonahydrate; Disodium trioxosilicate nonahydrate}	No	No	No

16. Other Information

Revision Date: 08/17/2015

Hazard Rating System:

HEALTH		1
FLAMMABILITY		0
PHYSICAL		0
PPE		B



HMIS:

Additional Information About This Product: Company's Disclaimer: While Krohn Industries believes this statement set forth herein are accurate as of the date hereof, Krohn Industries makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation and verification.