

# Safety Data Sheet

## GT Descaler

### Section 1 Identification

**Trade Name:** GT Descaler **Date Prepared:** 07/15/2019  
**Product Identification:** GT-GTD  
**Synonyms:** None **CAS No:** Mixture  
**Product Use Description:**  
Industrial Acidic Cleaner

#### Details of the supplier of the safety data sheet

GT Industrial Sales **Phone:** (866) 525-3615  
P.O. Box 158  
Leeds, ME 04263 US

#### Emergency telephone number

Infotrac (800) 535-5053 (US & Canada)  
ID#: 112239 (352) 323-3500

### Section 2 Hazards Identification

**GHS Classification:** Corrosive to Metals Category 1  
Skin Corrosion/Irritation Category 2  
Serious Eye Damage/Irritation Category 1  
Reproductive Toxicity Category 2

#### GHS Labels:



Health Hazard Corrosive  
**Signal Word:** Danger

#### Hazard Statements:

**H290** May be corrosive to metals  
**H315** Causes skin irritation  
**H318** Causes serious eye damage  
**H361** Suspected of damaging fertility or the unborn child

#### Precautionary Statements:

##### Prevention

**P234** Keep only in original container.  
**P264** Wash skin thoroughly after handling.  
**P280** Wear protective gloves, protective clothing, eye protection or face protection.

##### Response

**P302 + P352** IF ON SKIN: wash with plenty of soap and water.  
**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P310** Immediately call a POISON CENTER or physician.  
**P332 + P313** IF SKIN irritation occurs: Get medical attention.  
**P362 + P364** Take off contaminated clothing and wash before reuse  
**P390** Absorb spillage to prevent material damage.

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**Storage**

**P405** Store locked up.

**Disposal**

**P501** Dispose of contents/container to an approved waste disposal plant.

**Hazards Not Otherwise Classified (HNOC):**

None.

**Additional Information:**

None.

### Section 3 Composition

Chemical Name	Common Name/Synonym	CAS #	%
hydrochloric acid		7647-01-0	5 - 10
sodium tolyltriazole		64665-57-2	0.1 - 1

### Section 4 First Aid

**General:**

Move out of dangerous area. Perform first aid measures as indicated. Seek medical attention and show this safety data sheet to attending physician.

**Inhalation:**

Move to fresh air and keep at rest in a position comfortable for breathing. If breathing difficulty occurs or persists seek medical attention. If not breathing give artificial respiration and seek immediate medical attention.

**Skin Contact:**

Immediately flush exposed skin with water for at least 15 minutes while removing contaminated clothing and/or shoes. Thoroughly wash with soap and water. Seek medical attention if irritation develops or persists.

**Eye Contact:**

Immediately flush eyes with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Check for and remove any contact lenses if easy to do. Seek immediate medical attention.

**Ingestion:**

Rinse mouth with water. Do not induce vomiting. Seek immediate medical attention.

**Most important symptoms and effects both acute and delayed:**

No information available.

**Indication of any immediate medical attention and special treatment needed:**

No information available.

### Section 5 Fire Fighting Measures

**Suitable Extinguishing Media:**

Use extinguishing media suitable for surrounding fire or source of fire. Use water spray to cool fire exposed containers.

**Unsuitable Extinguishing Media:**

No information available.

**Specific Hazards Developing From the Chemical:**

In fire conditions after water loss, combustion may produce hydrogen chloride and other unidentified chemical compounds.

**Precautions for Firefighters:**

No information available.

**Firefighting Instructions:**

No information available.

**Protection During Firefighting:**

Wear full protective gear and full face pressure demand self-contained breathing apparatus.

**Other Information:**

No additional information available.

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### Section 6 Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures:**

Avoid direct contact with skin, eyes and clothing. Avoid inhalation of mist, vapor or dust. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

**Environmental Precautions:**

Prevent further leakage or spillage if safe to do so. Contain spilled material and prevent run-off onto ground or into water sources or sewers.

**Methods and material for containment and clean up:**

Neutralize with appropriate alkaline material if possible. Absorb on inert material and place in containers for disposal. Dispose of spilled/collected material in accordance with all federal, state and local regulations.

### Section 7 Handling and Storage

**Precautions for Safe Handling:**

Avoid contact with skin and eyes. Avoid inhalation of mist, vapor and dust. Ensure adequate ventilation. Do not eat, drink or smoke while handling. Wear appropriate personal protective equipment as outlined in Section 8 of this SDS.

**Conditions for Safe Storage, including Incompatibilities:**

Store in original container. Keep container tightly closed. Store at room temperature (50-90°F) in a dry well-ventilated area.

### Section 8 Exposure Controls/Personal Protection

**Exposure Limits:**

Ingredient	Data Source	Exposure Form	Exposure Value	Exposure Notes
hydrochloric acid	ACGIH TLV	Ceiling	2 ppm	(03 2013)
	Airborne	Ceiling	5 ppm 7 mg/m3	US, CA Code of RegTitle 8, Sec 5155
	Contaminants-US-CA			
	ESL-US-TX	ST ESL	130 ppb	US, TX Effects Screening Levels
	NIOSH	Ceiling Time	5 ppm 7 mg/m3	Pocket Guide-Chemical Hazards(2010)
	OEL-US-TN	Ceiling	5 ppm 7 mg/m3	Table Z1A (06 2008)
	OSHA Z-1	Ceiling	5 ppm 7 mg/m3	Limits-Air Cont(29 CFR 1910.1000)
OSHA Z-1-A	Ceiling	5 ppm 7 mg/m3	(29 CFR 1910.1000) (1989)	

**Appropriate Engineering Controls:**

Use local and/or general exhaust ventilation to maintain airborne concentrations below irritating levels or exposure limits. An eyewash and safety shower should be available in the work area.

**Individual Protection Measures:****Eye/Face Protection:**

Safety glasses or chemical goggles should be worn when handling this material.

**Skin Protection:****Hand Protection:**

Wear chemical resistant gloves when handling.

**Other:**

Wear chemical resistant clothing or chemical splash suit when handling.

**Respiratory Protection:**

Wear respiratory protection if mist or vapor is produced, while using this material.

**General Hygiene Considerations:**

Follow good hygiene and safety practice. Wash hands and exposed skin before breaks and at the end of the work day. Do not eat, drink or smoke while handling this material. Do not wear contaminated or dirty clothing home from the work-site. Launder contaminated or dirty clothing before reuse.

**Additional Information:**

No additional information available.

### Section 9 Physical and Chemical Properties

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Appearance	Yellow to Light Amber
Odor	Slight Acidic
Odor threshold	Not available.
pH	<1
Melting/freezing point	Not available.
Initial boiling point	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower flammability limit	Not available.
Upper flammability limit	Not available.
Lower explosive limit	Not available.
Upper explosive limit	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility in water	Complete
PC: n-octanol/water	Not available.
Auto-Ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Density	Not available.
Specific gravity	1.04

## Section 10 Stability and Reactivity

<b>Reactivity :</b>	Not reactive under normal use conditions.
<b>Chemical Stability :</b>	Material is stable under normal handling and storage conditions.
<b>Hazardous Reactions :</b>	Hazardous polymerization will not occur under normal handling and storage.
<b>Conditions to Avoid :</b>	Avoid excessive heating, freezing and chemical contamination.
<b>Decomposition Products:</b>	Thermal decomposition can lead to release of irritating and toxic gases and vapors.
<b>Incompatible Materials:</b>	Avoid contact with oxidizers and strong acids.

## Section 11 Toxicological Information

### Information on the likely routes of exposure:

#### Inhalation:

This material may cause respiratory irritation.

#### Skin Contact:

This material may cause skin irritation.

#### Eye Contact:

This material may cause eye irritation, which can be severe and result in perminate damage.

#### Ingestion:

This material may cause gastrointestinal irritation, which can be severe and result in perminate damage.

### Symptoms related to the physical, chemical and toxicological characteristics:

No information available.

### Delayed and chronic effects:

No information available.

### Numerical measures of toxicity:

Components	Exposure	Species	Dose	Notes
<b>hydrochloric acid:</b>				
LD50	Oral	Rat	700 mg/kg	
LD50	Dermal	Rabbit	>5010 mg/kg	
LDC0	Inhalation	Rat	3124 mg/l	1 hr

### Toxicological Effects:

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**Acute Toxicity:**

Mixture:  
No information available.

**Skin Corrosion/Irritation:**

Mixture:  
No information available.

**Serious Eye Damage/Irritation:**

Mixture:  
No information available.

**Respiratory Sensitization:**

Mixture:  
No information available.

**Skin Sensitization:**

Mixture:  
No information available.

**Germ Cell Mutagenicity:**

Mixture:  
No information available.

**Carcinogenicity:**

Mixture:  
This product is considered to be a potential carcinogen by:  
NTP: No  
OSHA: No  
IARC: No

**Reproductive Toxicity:**

Mixture:  
This product may cause reproductive and developmental effects.

**STOT-Single Exposure:**

Mixture:  
No information available.

**STOT-Repeated Exposure:**

Mixture:  
No information available.

**Aspiration Hazard:**

Mixture:  
This product is not an aspiration hazard.

**Additional Information:**

None.

## Section 12 Ecological Information

**Ecotoxicity:**

No information available.

**Numerical Measures of Ecotoxicity:**

Components	Type	Species	Dose	Notes
<b>sodium tolyltriazole:</b>				
Fish	LC50	Lepomis macrochirus	>173 mg/l	96 hr
Fish	LC50	Salmo gairdneri	approx. 25 mg/l	96 hr
Invertebrate	LC50	Daphnia magna	280 mg/l	48 hr
Algae	EC50	Selenastrum capricornutum	26.2 mg/l	72 hr
<b>hydrochloric acid:</b>				
Fish	LC50	Mosquito Fish	282 mg/l	96 hr
Invertebrate	LC50	Shore Crab	240 mg/l	48 hr

**Persistence and Degradability:**

Mixture:  
No information available.

**Bioaccumulative Potential:**

Mixture:  
No information available.

**Mobility in Soil:**

Mixture:

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No information available.

**Other Adverse Effects:**

Mixture:

No information available.

**Additional Information:**

No information available.

### Section 13 Disposal Considerations

**Disposal Instructions:**

Dispose of material in accordance with all federal, state and local regulations.

**Contaminated Packaging:**

Triple rinse container and offer for recycling. Dispose of container following all federal, state and local regulations.

**Additional Information:**

No additional information available.

### Section 14 Transport Information

**DOT:**

Not classified.

### Section 15 Regulatory Information

**Federal Regulations:****SARA 311/312 Hazard Categories:**

Immediate (Acute) Health Hazard

**SARA 302 Extremely Hazardous Substance:**

hydrochloric acid Reportable Quantity: 500

**SARA 304 Emergency Release Notification:**

hydrochloric acid Reportable Quantity: 5000

**SARA 311/312 Hazardous Chemical:**

Yes

**SARA 313 Toxic Release Inventory (TRI) Report:**

hydrochloric acid Reportable Quantity: 25000

**Toxic Substances Control Act (TSCA):**

Listed.

**CERCLA Hazardous Substance List:**

hydrochloric acid Reportable Quantity: 5000

**Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA):**

This chemical is not a pesticide product.

**Clean Air Act Regulated Substances:**

Accidental Release Prevention - Toxic Substances:

hydrochloric acid

**Clean Water Act Regulated Substances:**

hydrochloric acid Reportable Quantity: 5000

**U.S. State Regulations:****Massachusetts RTK Substances**

hydrochloric acid Listed.

sodium tolyltriazole Listed.

**New Jersey RTK Substances**

hydrochloric acid Listed.

sodium tolyltriazole Listed.

**Pennsylvania RTK Substance**

hydrochloric acid Listed.

sodium tolyltriazole Listed.

**Rhodes Island RTK Substances**

hydrochloric acid Listed.

**Canadian Regulations:**

Trade Name: GT Descaler

SDS ID: SDS00314

SDS #: GT-GTD

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**Canadian Ingredient Disclosure List Substances:**

None listed.

**WHMIS Classification:**

Not classified.

### Section 16 Other Information

**HMIS Hazard ID:**

<b>HEALTH</b>	2
<b>FLAMMABILITY</b>	0
<b>REACTIVITY</b>	0
<b>PERSONAL PROTECTION</b>	D

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; \*-Chronic Health Effect

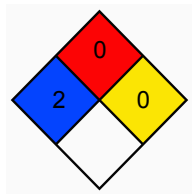
**NFPA Hazard ID:**

Flammability:

Health:

Reactivity:

Special Hazard:



Hazard Rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

**Disclaimer:** The Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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**Revision:** 2