

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
GHS HCS 2012

Trade name: Salt Chizel

1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** Salt Chizel #10195700
- **Article number:** GL55
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation** Basic Floor Cleaner. Removes Ice Melt Residue.


Product dilution information: 5 fl. oz. (147.85 mL) per 3-5 gallons of water.

- **1.3 Details of the supplier of the Safety Data Sheet**
Direct In Supply
1410 Pines Road
Oregon, IL 61061
Phone: 815-732-4708
Website: www.directinsupply.com
- **1.4 Emergency telephone number:**
ChemTel Inc.
(800)255-3924, +1 (813)248-0585


2 Hazards identification

• **2.1 Classification of the substance or mixture**

• **Classification according to Regulation (EC) No 1272/2008**

Product as SOLD	Product at USE DILUTION
 GHS05 corrosion Eye Dam. 1 H318 Causes serious eye damage.	Not classified. Not classified.

• **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

 Xi R41: Risk of serious damage to eyes.	Not classified.
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• **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.	The mixture does not meet the criteria for classification.
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• **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.	The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.
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• 2.2 Label elements	
• Labeling according to Regulation (EC) No 1272/2008	
Product as SOLD	Product at USE DILUTION
The product is classified and labeled according to the CLP regulation.	The mixture does not meet the criteria for classification.
• Hazard pictograms	
 GHS05	None
• Signal word Danger	No signal word.
• Hazard-determining components of labelling:	
tetrasodium ethylenediaminetetraacetate	Not applicable.
• Hazard statements	
H318 Causes serious eye damage.	Avoid contact with eyes.
• Precautionary statements	
P280 Wear eye protection. 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 doctor.	Keep out of reach of children.

3 Composition/information on ingredients

• 3.2 Mixtures

• **Description:** Mixture of substances listed below with nonhazardous additions.

• Dangerous components:		
CAS: 64-02-8 EINECS: 200-573-9 Index number: 607-428-00-2	tetrasodium ethylenediaminetetraacetate  Xn R22;  Xi R41 -----  Eye Dam. 1, H318  Acute Tox. 4, H302	<25%

• **Additional information:** For the wording of the listed risk phrases refer to section 16.

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4 First-aid measures

• 4.1 Description of first aid measures

Product as SOLD	Product at USE DILUTION
<ul style="list-style-type: none"> • General information: Immediately remove any clothing soiled by the product. 	No special measures required.
<ul style="list-style-type: none"> • After inhalation: Supply fresh air; consult doctor in case of complaints. 	No special measures required. Treat symptomatically.
<ul style="list-style-type: none"> • After skin contact: If skin irritation occurs, rinse with water for a few minutes. Seek immediate medical attention if irritation persists. 	No known effect after skin contact. Rinse with water for a few minutes.
<ul style="list-style-type: none"> • After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Then consult a doctor. 	No known effect after eye contact. Rinse with water for a few minutes. If irritation persists, get medical attention.
<ul style="list-style-type: none"> • After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately. 	Get medical attention if symptoms occur.
<ul style="list-style-type: none"> • 4.2 Most important symptoms and effects, both acute and delayed Caustic effect on eyes. Cramp Gastric or intestinal disorders. 	No known effects.
<ul style="list-style-type: none"> • Hazards Danger of severe eye injury. 	No known effects.
<ul style="list-style-type: none"> • 4.3 Indication of any immediate medical attention and special treatment needed 	
Treat symptomatically.	Treat symptomatically.

5 Fire-fighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
- **Additional information** No further relevant information available.

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6 Accidental release measures**• 6.1 Personal precautions, protective equipment and emergency procedures**

Product as SOLD	Product at USE DILUTION
Wear eye protection.	Use personal protective equipment as required.

• 6.2 Environmental precautions:

No special measures required.	Avoid contact of large amounts of spilled material and run off with soil and surface waterways.
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• 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13. Clean the affected area carefully; suitable cleaners are: Warm water.	Large Spills: Flush area with water. Prevent entry into waterways. Small Spills: Wipe up with absorbent material.
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• 6.4 Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.
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7 Handling and storage**• 7.1 Precautions for safe handling**

Product as SOLD	Product at USE DILUTION
Prevent formation of aerosols. Avoid splashes or spray in enclosed areas.	No special measures required.

• Information about fire - and explosion protection:

No special measures required.	No special measures required.
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• 7.2 Conditions for safe storage, including any incompatibilities**• Storage:****• Requirements to be met by storerooms and receptacles:**

Avoid storage near extreme heat, ignition sources or open flame.	Keep out of reach of children.
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• Information about storage in one common storage facility:

Store away from foodstuffs. Store away from oxidizing agents. Do not store together with acids.	No storage precautions necessary.
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• Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles. Protect from freezing.	No storage precautions necessary.
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• 7.3 Specific end use(s) No further relevant information available.

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8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

Product as SOLD

Product at USE DILUTION

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
 Do not inhale gases / fumes / aerosols.
 Clean skin thoroughly immediately after handling the product.

Not required under normal conditions of use.

- **Respiratory protection:**

Not required under normal conditions of use.
 For spills, respiratory protection may be advisable.

A respirator is not required under normal and intended conditions of use.

- **Protection of hands:**

No protective equipment is needed under normal conditions.

No protective equipment is needed under normal conditions.

- **Eye protection:**

Contact lenses should not be worn without eye protection.



Safety glasses

No protective equipment is needed under normal conditions.

- **Body protection:**

No protective equipment is needed under normal conditions.

No protective equipment is needed under normal conditions.

- **Limitation and supervision of exposure into the environment**

No further relevant information available.

No further relevant information available.

- **Risk management measures**

See Section 7 for additional information.
 No further relevant information available.

See Section 7 for additional information.
 No further relevant information available.

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9 Physical and chemical properties

	Product as SOLD	Product at USE DILUTION
• 9.1 Information on basic physical and chemical properties		
• General Information		
• Appearance:		
Form:	Liquid	Liquid
Color:	Green	Faint green
• Odor:	Sassafras	Faint Sassafras
• Odor threshold:	Not determined.	Not determined.
• pH-value at 20 °C:	12.0-13.0	9.0-10.0
• Change in condition		
Melting point/Melting range:	Undetermined.	Not applicable.
Boiling point/Boiling range:	Undetermined.	100° C / 212° F
• Flash point:	Not applicable.	Not determined.
• Flammability (solid, gaseous):	Not determined.	Not applicable.
• Ignition temperature:	Not determined.	Not applicable.
• Decomposition temperature:	Not determined.	Not determined.
• Self-igniting:	Product is not self-igniting.	Product is not self-igniting.
• Danger of explosion:	Product does not present an explosion hazard.	Product does not present an explosion hazard.
• Explosion limits:		
Lower:	Not determined.	Not determined.
Upper:	Not determined.	Not determined.
• Vapor pressure at 20 °C:	23 hPa	Not determined.
• Density at 20 °C:	1.08 g/cm ³	1.00 g/cm ³
• Relative density	Not determined.	Not determined.
• Vapor density	Not determined.	Not determined.
• Evaporation rate	Not determined.	Not determined.
• Solubility in / Miscibility with water:	Fully miscible.	Complete
• Partition coefficient (n-octanol/water):	Not determined.	Not determined.
• Viscosity:		
Dynamic:	Not applicable.	Not determined.
Kinematic:	Not applicable.	Not determined.
• 9.2 Other information	No further relevant information available.	No further relevant information available.

10 Stability and reactivity

- 10.1 Reactivity Not determined.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used and stored according to specifications.

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- **10.3 Possibility of hazardous reactions**
Reacts with strong oxidizing agents.
Toxic fumes may be released if heated above the decomposition point.
Reacts with strong acids.
Reacts with certain metals.
- **10.4 Conditions to avoid**
Store away from oxidizing agents.
Keep away from heat and direct sunlight.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)

11 Toxicological information

• 11.1 Information on toxicological effects

Product as SOLD	Product at USE DILUTION
<ul style="list-style-type: none"> • Acute toxicity: >3,030 mg./kg., Oral LD50 	Non-toxic at use-dilution.
<ul style="list-style-type: none"> • Primary irritant effect: 	
<ul style="list-style-type: none"> • on the eye: Strong caustic effect. 	Direct contact with eyes may cause temporary irritation.
<ul style="list-style-type: none"> • Sensitization: No sensitizing effects known. 	No sensitizing effects known.
<ul style="list-style-type: none"> • Additional toxicological information: 	
<p>The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:</p>	
Swallowing may result in nausea, vomiting, diarrhea, and abdominal pain.	Not classified

12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** biodegradable
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** After neutralization a reduction of the harming action may be recognized
- **Additional ecological information:**
- **General notes:**
Must not reach sewage water or drainage ditch undiluted or unneutralized.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous. Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.
This statement was deduced from the properties of the single components.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Water Hazard Class (Self-classification) in the concentrate.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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13 Disposal considerations**• 13.1 Waste treatment methods**

Product as SOLD	Product at USE DILUTION
• Recommendation	
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
• Uncleaned packaging:	
• Recommendation: Disposal must be made according to official regulations. • Recommended cleansing agents: Water, if necessary together with cleansing agents.	Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

14 Transport information**Product as SOLD**

• 14.1 UN-Number • DOT, ADR, ADN, IMDG, IATA	N/A
• 14.2 UN proper shipping name • DOT, ADR, ADN, IMDG, IATA	Cleaning Compounds, NOI, liquid.
• 14.3 Transport hazard class(es) • DOT, ADR, ADN, IMDG, IATA • Class	N/A
• 14.4 Packing group • DOT, ADR, IMDG, IATA	N/A
• 14.5 Environmental hazards: • Marine pollutant:	No
• 14.6 Special precautions for user	Not applicable.
• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• UN "Model Regulation":	Cleaning Compounds, NOI, liquid.
Product at USE DILUTION Not intended for transport.	

15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

Product as SOLD	Product at USE DILUTION
• Section 313 (Specific toxic chemical listings):	
None of the ingredients is listed.	None of the ingredients is listed.
• TSCA (Toxic Substances Control Act):	
All ingredients are listed.	All ingredients are listed.

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Product as SOLD	Product at USE DILUTION
• Proposition 65 (California):	
• Chemicals known to cause cancer:	
None of the ingredients is listed.	None of the ingredients is listed.
• Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	None of the ingredients is listed.
• Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	None of the ingredients is listed.
• Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	None of the ingredients is listed.
• Carcinogenic Categories	
• EPA (Environmental Protection Agency)	
None of the ingredients is listed.	None of the ingredients is listed.
• IARC (International Agency for Research on Cancer)	
None of the ingredients is listed.	None of the ingredients is listed.
• TLV (Threshold Limit Value established by ACGIH)	
None of the ingredients is listed.	None of the ingredients is listed.
• NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	None of the ingredients is listed.
• OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	None of the ingredients is listed.
• Canada	
• Canadian Domestic Substances List (DSL)	
All ingredients are listed.	All ingredients are listed.
• Canadian Ingredient Disclosure list (limit 0.1%)	
None of the ingredients is listed.	None of the ingredients is listed.
• Canadian Ingredient Disclosure list (limit 1%)	
None of the ingredients is listed.	None of the ingredients is listed.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H302 Harmful if swallowed.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.

 R22 Harmful if swallowed.
 R35 Causes severe burns.
 R36 Irritating to eyes.
 R41 Risk of serious damage to eyes.

SDS File Name: GL55 Salt Chizel SDS

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 WHMIS: Workplace Hazardous Materials Information System (Canada)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LD50: Lethal dose, 50 percent

- **Sources**

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