

Identity (As Used On Label and List) B5163 SEWER & DRAIN SWEETNER	Date Prepared: 05-29-2015
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Section 1 ~ Identification

Manufactured for: OMEGA INDUSTRIAL SUPPLY, INC	Emergency Telephone Number: 1-800-424-9300
Address (Number, Street, Suite/Apt#) 101 Grobric Ct #1	Telephone Number for Information: 1-800-571-7347
(City, State, and Zip Code) Fairfield, CA 94534	Signature of Prepare (Optional) REGULATORY DEPT.

Section 2 ~ Hazard(s) Identification

DANGER

Hazardous Statements: Causes serious eye damage. Causes severe skin burns and eye damage. Harmful if swallowed.

Physical Hazard: Corrosive. Corrosive to metals



Precautionary Statements

Prevention: Wear eye/face protection. Wear protective gloves/protective clothing/ eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink, or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling.

Response: Immediately call a POISON CENTER or doctor/physician. Specific treatment (see section 4 on this safety data sheet). **If in Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **If on Skin (or Hair):** Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. **If Swallowed:** Rinse mouth. DO NOT induce vomiting. **If Inhaled:** Remove victim to fresh air and keep at rest position comfortable for breathing. Wash contaminated clothing before reuse.

Storage: Store in a secure area

Disposal: Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified (HNOC): None known.

Other Information:

Section 3 ~ Composition/Information on Ingredients

Components (Specific Chemical Identity, Common Name(s))	CAS No.	EC No.	%(Wt.)
Water	7732-18-5	231-791-2	70 – 84%
Ferrous Chloride	7758-94-3	231-843-4	16 – 30%
Hydrogen Chloride	7647-01-0	231-595-7	0 – 6%

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4~ First Aid Measures

General Advice: Immediate medical attention is required.

Eye Contact: Immediate medical attention is required. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not rub affected area.

Skin Contact: Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse.

Inhalation: Remove to fresh air. Call a physician or poison control immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: Immediate medical attention is required. DO NOT induce vomiting. Rinse mouth. Drink 4 to 8 ounces (120-240 ml) of water or milk as soon as possible after ingestion. Never give anything by mouth to an unconscious person. Call a physician or poison control immediately.

Note to Physician: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decreased blood pressure may occur with most rales, frothy sputum, and high pulse pressure. Treat symptomatically.

Self-Protection for First Aid Personnel: Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Section 5 ~ Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, CO₂, alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to the local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: No information available.

Specific Hazards Arising from the Chemical: The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of fire and/or explosion, do not breathe fumes.

Protective Equipment and Precautions for Firefighters: Wear a self-contained breathing apparatus and chemical protective clothing.

Flammable Properties: Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

Explosive Properties: No information available.

Section 6 ~ Accidental Release Measures

Personal Precautions: Evacuate personnel to safe areas. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak.

Environmental Precautions: For small spills absorb material on dry rags, cat litter or similar absorbent material and dispose of in the trash. For large spills, contain the material using barriers of absorbent pigs, clay absorbent or earth dams. US regulations require reporting spills of this material that could reach any surface waters. The toll free phone number for the US Coast Guard National Response Center is 1-800-424-8802.

Methods for Cleaning Up: Dike far ahead of liquid spill for later disposal. Neutralize with soda ash or lime. Soak up with inert absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains.

Other Information: Spills exceeding the Reportable Quantity (RQ) of 100 pounds or more must be reported to the National Response Center, (800) 424-8802.

Section 7 ~ Handling and Storage

Advise on Safe Handling: Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation and in closed systems.

Storage Conditions: Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Incompatible Materials: Contact with metals may evolve flammable hydrogen gas, oxidizers, strong bases, reducing agents, alcohols, sulfides, styrene, incompatible with strong acids and bases, incompatible with oxidizing agents.

Section 8 ~ Exposure Controls/Personal Protection

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ferrous Chloride 7758-94-3	TWA: 1 mg/m3 Fe	(Vacated) TWA: 1 mg/m3 Fe	TWA 1 mg/m3 Fe
Hydrogen Chloride 7647-01-0	Ceiling: 2 ppm	Ceiling: 5 ppm Ceiling: 7 mg/m3	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m3

Exposure Guidelines

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Individual Protection Measures, Such as Personal Protective Equipment

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use of a respirator.

Eye/Face Protection: Tight sealing safety goggles. Face protection shield.

Skin and Body Protection: Wear suitable protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat apron or coveralls, as appropriate, to prevent skin contact.

General Hygiene Considerations: When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection.

Section 9 ~ Physical Chemical Properties

Physical State: Liquid

Appearance: Aqueous solution

Color: Green to yellow

Odor: Orange/Iron Slight acidic

Odor Threshold: No information available.

Property	Values	Remarks Method
pH	<2.0	
Melting/ Freezing Point	-50°C/-58°F	Solution (20%)
Boiling Point/Boiling Range	>100°C / 212°F	
Flash Point	No information available.	
Evaporation Rate	No information available.	
Flammability (solid, gas)	No information available.	
Flammability Limit in Air		
Lower Flammability Limit (%)	No information available.	
Upper Flammability Limit (%)	No information available.	
Vapor Pressure	No information available.	
Vapor Density	No information available.	
Specific Gravity	1.20	20% Solution @ 17.5°C
Water Solubility	No information available.	
Solubility in Other Solvents	No information available.	
Partition Coefficient	No information available.	
Autoignition Temperature	No information available.	
Decomposition Temperature	No information available.	
Kinematic Viscosity	No information available.	
Dynamic Viscosity	No information available.	
Explosive Properties	No information available.	
Oxidizing Properties	No information available.	
Other Information		VOC Content (%) No information available.
Softening Point °C	No information available.	Density No information available.
Molecular Weight	No information available.	Bulk Density 10.00 Pounds per gallon (lb/gal)

Section 10 ~ Stability and Reactivity

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Elevated temperature. Exposure to air or moisture over prolonged periods.

Incompatibility Materials: Contact with metals may evolve flammable hydrogen gas, oxidizers, strong bases, reducing agents, alcohols, sulfides, styrene, incompatible with strong acids and bases, incompatible with oxidizing agents.

Hazardous Decomposition Products: Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Possibility of Hazardous Reactions: None under normal processing and storage.

Section 11 ~ Toxicological Information

Information on Likely Routes of Exposure

Principal Routes of Exposure: Inhalation, Skin Contact, Eye Contact

Inhalation: May cause irritation of respiratory tract. Avoid breathing vapors or mist.

Ingestion: May be harmful if swallowed.

Skin Contact: May cause skin irritation and/or dermatitis.

Eye Contact: Contact with eyes may cause irritation.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ferrous Chloride 7758-94-3	450 mg/kg (Rat)	-	-
Hydrogen Chloride 7647-01-0	= 700 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	= 3124 ppm (Rat) 1 h

Information on Toxicological Effects

Symptoms: No information available.

Delayed and Immediate Effects as Well as Chronic Effects from Short and Long-Term Exposure

Sensitization: No information available.

Germ Cell Mutagenicity: No information available

Carcinogenicity: The table below indicates whether each agency has listed any ingredients as a carcinogen. This product contains one or more substances which are classified by IARC as Carcinogenic to humans (Group 1), probably carcinogenic to humans (group 2A) or possibly carcinogenic to humans (Group 2B).

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen Chloride 7647-01-0	-	Group 3	-	-

IARC (International Agency for Research on Cancer): Not classified as a human carcinogen.

Reproductive Toxicity: No information available.

STOT – Single Exposure: No information available.

STOT – Repeated Exposure: No information available.

Chronic Toxicity: Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent stacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risk or irreversible effects. May cause adverse liver effects.

Target Organ Effects: Eyes, Gastrointestinal tract (GI), Liver, Respiratory system, Skin.

Aspiration Hazard: No Information available.

Numerical Measures of Toxicity – Product Information: The following values are calculated based on chapter 3.1 of the GHS document.

Section 12 ~ Ecological Information

Ecotoxicity: 16 – 30% of the mixture consists of component(s) of unknown hazards to the aquatic environment.
Persistence and Degradability: No information available.
Bioaccumulation: No information available.
Other Adverse Effects: No information available.

Section 13 ~ Disposal Considerations

Disposal of Wastes: Dispose of in accordance with federal, state and local regulations. Dispose of hazardous waste in a RCRA licensed facility.
Contaminated Packaging: Do not reuse container.
US EPA Waste Number: D002

Section 14 ~ Transport Information

DOT
Proper Shipping Name: Sewer & Drain Sweetner
Hazard Class: 8
UN/ID Number: NA1760
Packing Group: II
RQ (lbs)(dry): 100
RQ as is (lbs)(wet): 333(30% Ferrous Chloride)
Technical Name Description: Ferrous Chloride
Description: NA1760, Ferrous chloride, solution, 8, II
Emergency Response Guide Number: 154

Section 15 ~ Regulatory Information

US Federal Regulations
SARA 311/312 Hazard Categories
 Acute Health Hazard Yes
 Chronic Health Hazard Yes
 Fire Hazard No
 Sudden Release of Pressure Hazard No
 Reactive Hazard No
SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	SARA 313 – Threshold Values %	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
Hydrogen Chloride 7647-01-0	1.0				
Ferrous Chloride 7758-94-3		100 lb	-	-	X
Hydrogen Chloride 7647-01-0		5000 lb	-	-	X

CERLA: This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	RQ (lbs)(dry)
Ferrous Chloride 7758-94-3	100 lb	-	RQ 100 lb final RQ
Hydrogen Chloride 7647-01-0	5000 lb	5000 lb	RQ 45.4 kg final RQ RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations
California Proposition 65: This product does not contain any Proposition 65 chemicals.

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ferrous Chloride 7758-94-3	X	X	X
Hydrogen Chloride 7647-01-0	X	X	X

DEA List I, List II

Chemical Name	U.S. – DEA – List I or Precursor Chemicals	U.S. – DEA – List II or Essential Chemicals
Hydrogen Chloride 7647-01-0	-	50 gallon, Export Volume 27 kg, Export weight 0 kg, Domestic Sales Weight

International Inventories
 TSCA Complies IECSC Complies
 DSL/NDSL Complies KECL Complies
 EINECS/ELINCS Complies PICCS Complies
 ENCS Does not comply AICS Complies

Legend:
 TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS – Japan Existing and New Chemical Substances
 IECSC – China Inventory of Existing Chemical Substances
 KECL – Korean Existing and Evaluated Chemical Substances
 PICCS – Philippines Inventory of Chemicals and Chemical Substances
 AICS – Australian Inventory of Chemical Substances

Section 16 ~ Other Information

	NFPA	HMIS	Key
HEALTH	3	3	4= Severe
FLAMMABILITY	0	0	3= Serious
REACTIVITY	0	0	2= Moderate
OTHER/PROTECTION	-	-	1= Slight
			0= Minimal

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