

1. Identification

Product identifier

Product Identity

GEORGIA STEEL FRESH GEAR DISINFECTANT

Other means of identification

Authorization number F806-005 DIN 02272318,
Product Code: FG350-G, GC

Relevant identified uses of the substance or mixture and uses advised against

Concentrated hard surface disinfectant cleaner for industrial safety equipment.

Details of the supplier of the safety data sheet

Company Name

Georgia Steel & Chemical Co., Inc.
9515 Gerwig Lane, Suite 111
Columbia, MD 21046

Emergency

Ontario Poison Control Centre 1-800-268-9017

Customer Service: Georgia Steel & Chemical Co., Inc. +1(301) 317-5502

2. Hazard(s) identification

Classification of the substance or mixture

Acute Tox. 4;H302	Harmful if swallowed.
Eye Dam. 1;H318	Causes serious eye damage.
Aquatic Acute 1;H400	Very toxic to aquatic life.
Aquatic Chronic 1;H410	Very toxic to aquatic life with long lasting effects.

Label elements



Danger

H302 Harmful if swallowed.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.



Safety Data Sheet
GEORGIA STEEL FRESH GEAR
DISINFECTANT

Revision
 Date: 04/29/2022

[Prevention]

- P260 Do not breathe dust, fume, mist, vapours or spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, eye protection, face protection.

[Response]

- P301+312 IF SWALLOWED: Call a POISON CENTER, doctor or physician if you feel unwell.
- P305+351+338 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, doctor or physician.
- P330 IF SWALLOWED: Rinse mouth.
- P331 Do NOT induce vomiting.
- P391 Collect spillage.

[Storage]

No GHS storage statements

[Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the Hazardous Products Regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
1-Decanaminium, N-decyl-N,N-dimethyl-, chloride CAS Number: 0007173-51-5 Synonyms: Didecyldimethylammonium chloride	10 - 30	Acute Tox. 4;H302 Skin Corr. 1B;H314	----
Ethanol CAS Number: 0000064-17-5 Synonyms: Ethyl Alcohol	7 - 13	Flam. Liq. 2;H225	----
Alkyl (C12-16) dimethylbenzylammonium chloride CAS Number: 0068424-85-1 Synonyms: Alkyl dimethyl benzyl ammonium chloride, Barquat MB-80	7 - 13	Flam. Liq. 3;H226 Acute Tox. 4;H302 Acute Tox. 3;H311 Skin Corr. 1B;H314 Eye Dam. 1;H318 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	----
Tetrasodium EDTA CAS Number: 0000064-02-8 Synonyms: Tetrasodium EDTA	3 - 7	Acute Tox. 4;H302 Eye Dam. 1;H318	----

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed	
Overview	Treat symptomatically. Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.
Eyes	Causes serious eye damage.
Ingestion	Harmful if swallowed.

Section 5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media: Not applicable. Product is not a fire hazard.
Unsuitable Extinguishing Media: High pressure water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Do not breathe dust, fume, mist, vapours or spray.

Do not get in eyes, on skin, or on clothing.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.



Safety Data Sheet
GEORGIA STEEL FRESH GEAR
DISINFECTANT

Revision
Date: 04/29/2022

Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

ERG Guide No. 154

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapour levels are below the Lower Explosive Limit before re-entering.

Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Methods and material for containment and cleaning up

Small spills may be wiped up and rinsed with water. For larger spills, contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water. Follow good industrial hygiene practices.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Read label before use. Avoid contact with skin or eyes. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, eye protection, face protection. Use only according to label directions. If unsure about safe use, contact your supervisor.

See section 2 for further details. - [Prevention]

Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Do not contaminate water, food or feed by storage and disposal. Store in tightly closed, original container in a cool (10° - 30°C), dry area.

Incompatible materials: No data available.

See section 2 for further details. - [Storage]

Specific end use(s)

No data available.



Safety Data Sheet
GEORGIA STEEL FRESH GEAR
DISINFECTANT

Revision
 Date: 04/29/2022

Section 8. Exposure controls / personal protection

Control parameters

		Exposure	
CAS No.	Ingredient	Source	Value
0000064-02-8	Tetrasodium EDTA	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
0000064-17-5	Ethanol	ACGIH	1000 ppm STEL
		Alberta	1000 ppm TWA; 1880 mg/m ³ TWA
		British Columbia	1000 ppm STEL
		Manitoba	1000 ppm STEL
		New Brunswick	1000 ppm TWA; 1880 mg/m ³ TWA
		Newfoundland and Labrador	1000 ppm STEL
		Nova Scotia	1000 ppm STEL
		Northwest Territories	1000 ppm TWA 1250 ppm STEL
		Nunavut	1000 ppm TWA 1250 ppm STEL
		Ontario	1000 ppm STEL
		Prince Edward Island	1000 ppm STEL
		Quebec	1000 ppm TWAEV; 1880 mg/m ³ TWAEV
		Saskatchewan	1000 ppm TWA 1250 ppm STEL
		Yukon	1000 ppm TWA; 1900 mg/m ³ TWA 1000 ppm STEL; 1900 mg/m ³ STEL
0007173-51-5	1-Decanaminium, N-decyl-N,N-dimethyl-, chloride	ACGIH	No Established Limit
		Alberta	No Established Limit



Safety Data Sheet
GEORGIA STEEL FRESH GEAR
DISINFECTANT

Revision
 Date: 04/29/2022

		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit
0068424-85-1	Alkyl (C12-16) dimethylbenzylammonium chloride	ACGIH	No Established Limit
		Alberta	No Established Limit
		British Columbia	No Established Limit
		Manitoba	No Established Limit
		New Brunswick	No Established Limit
		Newfoundland and Labrador	No Established Limit
		Nova Scotia	No Established Limit
		Northwest Territories	No Established Limit
		Nunavut	No Established Limit
		Ontario	No Established Limit
		Prince Edward Island	No Established Limit
		Quebec	No Established Limit
		Saskatchewan	No Established Limit
		Yukon	No Established Limit

Exposure controls

Respiratory

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes

Protective safety glasses recommended

Skin

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact. Protective gloves recommended.

Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn.



Safety Data Sheet

GEORGIA STEEL FRESH GEAR DISINFECTANT

Revision
Date: 04/29/2022

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties

Appearance	Blue Liquid
Odour	Citrus
Odour threshold	Not determined
pH	7.2 – 8.2
Melting point / freezing point	Not Available
Initial boiling point and boiling range	Not Available
Flash Point	Not Available
Evaporation rate (Ether = 1)	Similar to water
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Available Upper Explosive Limit: Not Available
Vapour pressure (Pa)	Not Available
Vapour Density	Not Available
Relative Density	0.99 – 1.02 at 20 °C (water = 1)
Solubility in Water	Complete
Partition coefficient n-octanol/water (Log Kow)	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity (cSt)	Slightly viscous
VOC Content	Not Available
Other information	No other relevant information.

Section 10. Stability and reactivity

Reactivity
Hazardous Polymerization will not occur.

Chemical stability
Stable under normal circumstances.

Possibility of hazardous reactions
No data available.

Conditions to avoid
Temperatures above 50°C or below 10°C.



Safety Data Sheet
GEORGIA STEEL FRESH GEAR
DISINFECTANT

Revision
 Date: 04/29/2022

Incompatible materials

No data available.

Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information

Acute toxicity

Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
1-Decanaminium, N-decyl-N,N-dimethyl-, chloride - (7173-51-5)	No data available	No data available	No data available	No data available	No data available
Ethanol - (64-17-5)	10,470.00, Rat - Category: NA	17,100.00, Rabbit - Category: NA	124.70, Rat - Category: NA	No data available	No data available
Alkyl (C12-16) dimethylbenzylammonium chloride - (68424-85-1)	344.00, Rat - Category: 4	645.00, Rabbit - Category: 3	No data available	54.00, Rat - Category: NA	No data available
Tetrasodium EDTA - (64-02-8)	1,913.00, Rat - Category: 4	No data available	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000064-02-8	Tetrasodium EDTA	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0000064-17-5	Ethanol	IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	A3
0007173-51-5	1-Decanaminium, N-decyl-N,N-dimethyl-, chloride	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
0068424-85-1	Alkyl (C12-16) dimethylbenzylammonium chloride	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable



Safety Data Sheet
GEORGIA STEEL FRESH GEAR
DISINFECTANT

Revision
 Date: 04/29/2022

Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry: No data available.

Symptoms and effects, both acute and delayed:

Treat symptomatically.

Eyes Causes serious eye damage.

Ingestion Harmful if swallowed.

Section 12. Ecological information

Toxicity

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
1-Decanaminium, N-decyl-N,N-dimethyl-, chloride - (7173-51-5)	Not Available	Not Available	Not Available
Ethanol - (64-17-5)	15,400.00, Lepomis macrochirus	> 10,000, Daphnia magna	17.921 (96 hr), Ulva pertusa
Alkyl (C12-16) dimethylbenzylammonium chloride - (68424-85-1)	0.28, Pimephales promelas	Not Available	0.04 (72 hr), Algae
Tetrasodium EDTA - (64-02-8)	41.00, Lepomis macrochirus	140.00, Daphnia magna	101.00 (72 hr), Pseudokirchneriella subcapitata

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

Not Available

Mobility in soil

No data available.



Safety Data Sheet GEORGIA STEEL FRESH GEAR DISINFECTANT

Revision
Date: 04/29/2022

Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

Other adverse effects

No data available.

Section 13. Disposal considerations

Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.

Section 14. Transport information

Classification Method: Classified as per Part 2, Sections 2.1 - 2.8 of the Transportation of Dangerous Goods Regulations.

	TDG (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	UN1903	UN1903	UN1903
UN proper shipping name	UN1903, Disinfectants, liquid, corrosive n.o.s., (Quaternary ammonium chlorides)), 8, III	Disinfectants, liquid, corrosive n.o.s., (Quaternary ammonium chlorides))	Disinfectants, liquid, corrosive n.o.s., (Quaternary ammonium chlorides))
Transport hazard class(es)	TDG Hazard Class: 8 Sub Class: Not Applicable	IMDG: 8 Sub Class: Not Applicable	Air Class: 8 Sub Class: Not Applicable
Packing group	III	III	III
Environmental hazards			
IMDG	Marine Pollutant: Yes; (1-Decanaminium, N-decyl-N,N-dimethyl-, chloride)		
Special precautions for user	Not Applicable		

Section 15. Regulatory information

This product has been classified in accordance with the hazard criteria Hazardous Products Regulations (SOR/2015-17) and the SDS contains all of the information required by those regulations.

Canadian Domestic Substance List (DSL):

1-Decanaminium, N-decyl-N,N-dimethyl-, chloride
Alkyl (C12-16) dimethylbenzylammonium chloride
Ethanol
Tetrasodium EDTA

Canadian Non-Domestic Substance List (NDSL):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.



Safety Data Sheet
GEORGIA STEEL FRESH GEAR
DISINFECTANT

Revision
Date: 04/29/2022

Section 16. Other information

Revision Date 04/29/2022

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Disclaimer: The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

End of Document