



**Safety Data Sheet**  
**GEORGIA STEEL HEAVY-DUTY**  
**DETERGENT DEGREASER**  
**(Product code:FK260-G, GC, F, D)**

Revision  
Date: 05/18/2022

## 1. Identification

**Product identifier**

**Product Identity**

GEORGIA STEEL HEAVY-DUTY DETERGENT  
DEGREASER

**Other means of identification**

(Product code:FK260-G, GC, F, D)

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

Personal protective equipment cleaner / pre-cleaning  
solution

**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**

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

## 2. Hazard(s) identification

**Classification of the substance or mixture**

Eye Dam. 2A;H319 Causes serious eye irritation.

Aquatic Acute 2;H401 Toxic to aquatic life.

**Label elements**



### Warning

H319 Causes serious eye irritation.

H401 Toxic to aquatic life.

**[Prevention]**

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection, face protection.

**[Response]**

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P337+313 If eye irritation persists: Get medical advice or attention.

**[Storage]**



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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
Dimethyldodecylamine oxide CAS Number: 0001643-20-5 Synonyms: Lauryldimethylamine oxide	3 - 7	Skin Irrit. 2;H315 Eye Dam. 1;H318 Aquatic Acute 1;H400	----
2-Butoxy-ethanol CAS Number: 0000111-76-2 Synonyms: 2-butoxyethanol, BUTOXYETHANOL, butyl cellosolve, Ethylene glycol monobutyl ether	1 - 5	Acute Tox. 4;H332 Acute Tox. 4;H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315	----

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

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	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.
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Overview</b>	No specific symptom data available. Treat symptomatically. See section 2 for further details.
<b>Eyes</b>	Causes serious eye irritation.



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## 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.

### 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.

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

**ERG Guide No.** ---

## 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]



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**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.

**Section 8. Exposure controls / personal protection**

**Control parameters**

**Exposure**

CAS No.	Ingredient	Source	Value
0000111-76-2	2-Butoxy-ethanol	ACGIH	TWA: 20 ppm
		Alberta	20 ppm TWA; 97 mg/m <sup>3</sup> TWA
		British Columbia	20 ppm TWA
		Manitoba	20 ppm TWA
		New Brunswick	25 ppm TWA; 121 mg/m <sup>3</sup> TWA
		Newfoundland and Labrador	20 ppm TWA
		Nova Scotia	20 ppm TWA
		Northwest Territories	20 ppm TWA 30 ppm STEL
		Nunavut	20 ppm TWA 30 ppm STEL
		Ontario	20 ppm TWA
		Prince Edward Island	20 ppm TWA
		Quebec	20 ppm TWAEV; 97 mg/m <sup>3</sup> TWAEV
		Saskatchewan	20 ppm TWA 30 ppm STEL
		Yukon	50 ppm TWA; 240 mg/m <sup>3</sup> TWA 150 ppm STEL; 720 mg/m <sup>3</sup> STEL
0001643-20-5	Dimethyldodecylamine oxide	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



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	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.
- 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**

<b>Appearance</b>	Fl. Green Liquid
<b>Odour</b>	Mild
<b>Odour threshold</b>	Not determined
<b>pH</b>	(Neat) -7.5 (RTU) – 7.0 - 7.5
<b>Melting point / freezing point</b>	Freezing Point : 32°F
<b>Initial boiling point and boiling range</b>	212°F
<b>Flash Point</b>	> 200°F (ASTM D3278)
<b>Evaporation rate (Ether = 1)</b>	Similar to water
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Available <b>Upper Explosive Limit:</b> Not Available
<b>Vapour pressure (Pa)</b>	Not Available
<b>Vapour Density</b>	Not Available
<b>Relative Density</b>	Not Available
<b>Solubility in Water</b>	Complete
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Available
<b>Auto-ignition temperature</b>	Not Available



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**Decomposition temperature** Not Available  
**Viscosity (cSt)** Water thin  
**VOC Content** 0 (Excluding exempt material)  
**Relative Density** 1.000 %  
**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.  
**Incompatible materials**  
No data available.  
**Hazardous decomposition products**  
No hazardous decomposition data available.

### Section 11. Toxicological information

#### Acute toxicity

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
Dimethyldodecylamine oxide - (1643-20-5)	>2,000.00, Rat - Category: 5	>2,000.00, Rat - Category: 5	No data available	No data available	No data available
2-Butoxy-ethanol - (111-76-2)	1,414.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	No data available	No data available	No data available

#### Carcinogen Data



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CAS No.	Ingredient	Source	Value
0000111-76-2	2-Butoxy-ethanol	IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
		ACGIH	A3
0001643-20-5	Dimethyldodecylamine oxide	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)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	2A	Causes serious eye irritation.
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:**

No specific symptom data available.  
 Treat symptomatically.

**Eyes** Causes serious eye irritation.

**Section 12. Ecological information**

**Toxicity**

Toxic to aquatic life

**Aquatic Ecotoxicity**

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Dimethyldodecylamine oxide - (1643-20-5)	31.80, Danio rerio	9.50, Daphnia magna	0.86 (72 hr), Pseudokirchneriella subcapitata
2-Butoxy-ethanol - (111-76-2)	1,474.00, Oncorhynchus mykiss	1,550.00, Daphnia magna	1,840.00 (72 hr), Pseudokirchneriella subcapitata

**Persistence and degradability**

There is no data available on the preparation itself.



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**Bioaccumulative potential**

Not Available

**Mobility in soil**

No data available.

**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.

	<b>TDG (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>UN number</b>	Not Regulated	Not Regulated	Not Regulated
<b>UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>Transport hazard class(es)</b>	<b>TDG Hazard Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable <b>Sub Class:</b> Not Applicable
<b>Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No;		
<b>Special precautions for user</b>	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):**

2-Butoxy-ethanol



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Dimethyldodecylamine oxide

Water

**Canadian Non-Domestic Substance List (NDSL):**

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

<b>Section 16. Other information</b>
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**Revision Date**                      05/18/2022

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:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

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.

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