



## MICRELL® Antibacterial Lotion Soap with Chloroxylenol

Version 1.1	Revision Date: 02/12/2018	SDS Number: 400000000279	Date of last issue: 01/04/2017 Date of first issue: 01/04/2017
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### SECTION 1. IDENTIFICATION

Product name : MICRELL® Antibacterial Lotion Soap with Chloroxylenol

#### Manufacturer or supplier's details

Company name of supplier : GOJO Industries, Inc.

Address : One GOJO Plaza, Suite 500  
Akron, Ohio, 44311

Telephone : 1 (330) 255-6000

Emergency telephone number : CHEMTREC 1-800-424-9300  
CHEMTREC +1-703-527-3887: Outside USA & CANADA

#### Recommended use of the chemical and restrictions on use

Recommended use : Antibacterial Soap

Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Serious eye damage : Category 1

Germ cell mutagenicity : Category 2

#### GHS label elements

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Hazard pictograms : 

Signal word : Danger

Hazard statements : H318 Causes serious eye damage.  
H341 Suspected of causing genetic defects.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P280 Wear eye protection/ face protection.

**Response:**  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

**Storage:**  
P405 Store locked up.

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

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Ethanolamine	141-43-5	>= 1 - < 5
Cocamide DEA	68603-42-9	>= 1 - < 5
Sodium Laureth Sulfate	68585-34-2	>= 1 - < 5
Sodium Lauryl Sulfate	68585-47-7	>= 1 - < 5
Chloroxlenol	88-04-0	>= 0.1 - < 1

## SECTION 4. FIRST AID MEASURES

General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical



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- advice.
- If inhaled : If inhaled, remove to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Wash with water and soap as a precaution.  
Get medical attention if irritation develops and persists.
- In case of eye contact : In case of contact, immediately flush eyes with plenty of water  
for at least 15 minutes.  
If easy to do, remove contact lens, if worn.  
Seek medical advice.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Rinse mouth with water.  
Obtain medical attention.
- Most important symptoms and effects, both acute and delayed : Causes serious eye damage.  
Suspected of causing genetic defects.
- Protection of first-aiders : First Aid responders should pay attention to self-protection  
and use the recommended protective clothing

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### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Unsuitable extinguishing media : None known.
- Hazardous combustion products : Carbon oxides  
Metal oxides  
Sulphur oxides  
Nitrogen oxides (NOx)
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protection : Use personal protective equipment.

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- tive equipment and emergency procedures      Ensure adequate ventilation.  
Material can create slippery conditions.
- Environmental precautions      :      Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up      :      Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.

### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling      :      For personal protection see section 8.  
Do not swallow.  
Avoid contact with eyes.  
Keep container closed when not in use.
- Conditions for safe storage      :      Keep in properly labelled containers.  
Keep container tightly closed in a dry and well-ventilated place.  
Store in accordance with the particular national regulations.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanolamine	141-43-5	STEL	6 ppm 15 mg/m <sup>3</sup>	CA AB OEL
		TWA	3 ppm 7.5 mg/m <sup>3</sup>	CA AB OEL
		TWA	3 ppm	CA BC OEL
		STEL	6 ppm	CA BC OEL
		TWAEV	3 ppm 7.5 mg/m <sup>3</sup>	CA QC OEL
		STEV	6 ppm 15 mg/m <sup>3</sup>	CA QC OEL
		TWA	3 ppm	ACGIH
		STEL	6 ppm	ACGIH

#### Personal protective equipment

- Respiratory protection      :      No personal respiratory protective equipment normally required.

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- Eye protection : Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : No special measures necessary provided product is used correctly.
- Protective measures : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Ensure that eye flushing systems and safety showers are located close to the working place.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with eyes.
- 

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : liquid
- Colour : clear, amber
- Odour : citrus
- Odour Threshold : No data available
- pH : 7.1 - 10 (20 °C)
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : No data available
- Flash point : > 100 °C
- Evaporation rate : No data available
- Flammability (solid, gas) : Not applicable
- Upper explosion limit : No data available
- Lower explosion limit : No data available
- Vapour pressure : No data available
- Relative vapour density : No data available
- Density : 1.0306 g/cm<sup>3</sup>
- Solubility(ies)  
Water solubility : soluble
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Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	The substance or mixture is not classified self-reactive.
Viscosity	:	
Viscosity, kinematic	:	1000 - 20000 mm <sup>2</sup> /s (20 °C)
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Conditions to avoid	:	None known.
Incompatible materials	:	Oxidizing agents
Hazardous decomposition products	:	No hazardous decomposition products are known.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Inhalation  
Eye contact  
Skin contact

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 40 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

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### **Components:**

#### **Ethanolamine:**

- Acute oral toxicity : LD50 (Rat): 1,515 mg/kg
- Acute inhalation toxicity : Acute toxicity estimate: 11 mg/l  
Test atmosphere: vapour  
Method: Expert judgement  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI
- Acute dermal toxicity : LD50 (Rabbit): 1,025 mg/kg

#### **Cocamide DEA:**

- Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
- Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

#### **Sodium Laureth Sulfate:**

- Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity

#### **Sodium Lauryl Sulfate:**

- Acute oral toxicity : LD50 (Rat): 1,200 mg/kg  
Method: OECD Test Guideline 401  
Remarks: Based on data from similar materials
- Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Based on data from similar materials

#### **Chloroxylenol:**

- Acute oral toxicity : Acute toxicity estimate: 500 mg/kg  
Method: Expert judgement  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI
- Acute inhalation toxicity : LC50 (Rat): > 6.29 mg/l  
Test atmosphere: dust/mist
- Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

#### **Skin corrosion/irritation**

Not classified based on available information.



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**Product:**

Assessment: Not irritating when applied to human skin.  
Result: No skin irritation

**Components:****Ethanolamine:**

Species: Rabbit  
Result: Corrosive after 3 minutes to 1 hour of exposure

**Cocamide DEA:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Skin irritation  
Remarks: Based on data from similar materials

**Sodium Laureth Sulfate:**

Result: Skin irritation

**Sodium Lauryl Sulfate:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Skin irritation  
Remarks: Based on data from similar materials

**Chloroxylenol:**

Result: Skin irritation  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Components:****Ethanolamine:**

Species: Rabbit  
Result: Irreversible effects on the eye

**Cocamide DEA:**

Species: Rabbit  
Result: Irreversible effects on the eye  
Method: OECD Test Guideline 405  
Remarks: Based on data from similar materials

**Sodium Laureth Sulfate:**

Result: Eye irritation  
Remarks: Severe eye irritation





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### **Sodium Lauryl Sulfate:**

Species: Rabbit  
Result: Irreversible effects on the eye  
Method: OECD Test Guideline 405  
Remarks: Based on data from similar materials

### **Chloroxylenol:**

Result: Irreversible effects on the eye

### **Respiratory or skin sensitisation**

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

### **Product:**

Result: Does not cause skin sensitisation.  
Remarks: Patch test on human volunteers did not demonstrate sensitisation properties.

### **Components:**

#### **Ethanolamine:**

Test Type: Maximisation Test (GPMT)  
Exposure routes: Skin contact  
Species: Guinea pig  
Result: negative

#### **Cocamide DEA:**

Test Type: Maximisation Test (GPMT)  
Exposure routes: Skin contact  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: negative  
Remarks: Based on data from similar materials

#### **Sodium Lauryl Sulfate:**

Test Type: Local lymph node assay (LLNA)  
Exposure routes: Skin contact  
Species: Mouse  
Result: negative  
Remarks: Based on data from similar materials

#### **Chloroxylenol:**

Assessment: Probability or evidence of skin sensitisation in humans  
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

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**Germ cell mutagenicity**

Suspected of causing genetic defects.

**Components:****Ethanolamine:**

- Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Method: OECD Test Guideline 476  
Result: negative
- Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Ingestion  
Method: OECD Test Guideline 474  
Result: negative

**Cocamide DEA:**

- Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative
- Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Ingestion  
Result: positive
- Germ cell mutagenicity - Assessment : Positive result(s) from in vivo mammalian somatic cell mutagenicity tests.

**Sodium Lauryl Sulfate:**

- Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Result: negative  
Remarks: Based on data from similar materials
- Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)  
Species: Mouse  
Application Route: Ingestion  
Result: negative  
Remarks: Based on data from similar materials

**Chloroxlylenol:**

- Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

**Carcinogenicity**

Not classified based on available information.



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### Components:

#### **Cocamide DEA:**

Species: Rat  
Application Route: Skin contact  
Exposure time: 2 Years  
Result: negative

Carcinogenicity - Assessment : Limited evidence of carcinogenicity in animal studies

#### **Sodium Lauryl Sulfate:**

Species: Rat  
Application Route: Ingestion  
Exposure time: 2 Years  
Result: negative  
Remarks: Based on data from similar materials

### **Reproductive toxicity**

Not classified based on available information.

### Components:

#### **Ethanolamine:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 414  
Result: negative

#### **Cocamide DEA:**

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Ingestion  
Method: OECD Test Guideline 414  
Result: negative

#### **Sodium Lauryl Sulfate:**

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Ingestion  
Result: negative  
Remarks: Based on data from similar materials

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**STOT - single exposure**

Not classified based on available information.

**Components:****Ethanolamine:**

Assessment: May cause respiratory irritation.

**Sodium Lauryl Sulfate:**

Assessment: May cause respiratory irritation.

**STOT - repeated exposure**

Not classified based on available information.

**Components:****Ethanolamine:**

Exposure routes: inhalation (dust/mist/fume)

Assessment: No significant health effects observed in animals at concentrations of 0.2 mg/l/6h/d or less.

**Repeated dose toxicity****Components:****Ethanolamine:**

Species: Rat

NOAEL: 150 mg/m<sup>3</sup>

Application Route: inhalation (dust/mist/fume)

Exposure time: 28 d

**Cocamide DEA:**

Species: Rat

NOAEL: > 750 mg/kg

Application Route: Ingestion

Exposure time: 28 d

Remarks: Based on data from similar materials

**Sodium Lauryl Sulfate:**

Species: Rat

NOAEL: 100 mg/kg

Application Route: Ingestion

Exposure time: 2 y

Remarks: Based on data from similar materials

**Chloroxylonol:**

Species: Rabbit

LOAEL: 180 mg/kg

Application Route: Skin contact

Exposure time: 90 d



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### Aspiration toxicity

Not classified based on available information.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### Ethanolamine:

- |  |   |   |
|--|---|---|
| Toxicity to fish   | : | LC50 (Cyprinus carpio (Carp)): 349 mg/l<br>Exposure time: 96 h  |
| Toxicity to daphnia and other aquatic invertebrates                    | : | EC50 (Daphnia magna (Water flea)): 65 mg/l<br>Exposure time: 48 h   |
| Toxicity to algae  | : | ErC50 (Selenastrum capricornutum (green algae)): 2.8 mg/l<br>Exposure time: 72 h<br><br>NOEC (Scenedesmus capricornutum (fresh water algae)): 1 mg/l<br>Exposure time: 72 h |
| Toxicity to fish (Chronic toxicity)                                    | : | NOEC (Oryzias latipes (Orange-red killifish)): 1.24 mg/l<br>Exposure time: 41 d   |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC (Daphnia magna (Water flea)): 0.85 mg/l<br>Exposure time: 21 d   |
| Toxicity to bacteria   | : | EC50 (Pseudomonas putida): 110 mg/l<br>Exposure time: 17 h  |

##### Cocamide DEA:

- |   |   |  |
|---|---|--|
| Toxicity to fish                                    | : | LC50 (Brachydanio rerio (zebrafish)): 6.7 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203   |
| Toxicity to daphnia and other aquatic invertebrates | : | LC50 (Daphnia magna (Water flea)): 2.15 mg/l<br>Exposure time: 48 h  |
| Toxicity to algae                                   | : | EC50 (Scenedesmus subspicatus): 2.2 mg/l<br>Exposure time: 72 h<br><br>NOEC (Scenedesmus subspicatus): 0.32 mg/l<br>Exposure time: 72 h                          |
| Toxicity to fish (Chronic toxicity)                 | : | NOEC (Oncorhynchus mykiss (rainbow trout)): 0.32 mg/l<br>Exposure time: 28 d<br>Method: OECD Test Guideline 204<br>Remarks: Based on data from similar materials |

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.07 mg/l  
 Exposure time: 21 d  
 Method: OECD Test Guideline 211  
 Remarks: Based on data from similar materials

### Sodium Lauryl Sulfate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 3.6 mg/l  
 Exposure time: 96 h  
 Method: OECD Test Guideline 203  
 Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 4.7 mg/l  
 Exposure time: 48 h  
 Remarks: Based on data from similar materials

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 8.64 mg/l  
 Exposure time: 72 h  
 Method: OECD Test Guideline 201  
 Remarks: Based on data from similar materials

EC10 (Pseudokirchneriella subcapitata (green algae)): 0.95 mg/l  
 Exposure time: 72 h  
 Method: OECD Test Guideline 201  
 Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): > 1.357 mg/l  
 Exposure time: 42 d  
 Remarks: Based on data from similar materials

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.14 mg/l  
 Exposure time: 21 d  
 Remarks: Based on data from similar materials

### Chloroxylenol:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.76 mg/l  
 Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 7.7 mg/l  
 Exposure time: 48 h

M-Factor (Acute aquatic toxicity) : 1

### Persistence and degradability

#### Components:

#### Ethanolamine:

Biodegradability : Result: Readily biodegradable.

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Biodegradation: > 90 %  
Exposure time: 21 d

**Cocamide DEA:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 84 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

**Sodium Laureth Sulfate:**

Biodegradability : Result: Readily biodegradable.

**Sodium Lauryl Sulfate:**

Biodegradability : Result: Readily biodegradable.  
Biodegradation: 95 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
Remarks: Based on data from similar materials

**Bioaccumulative potential****Components:****Ethanolamine:**

Partition coefficient: n-octanol/water : log Pow: -1.91

**Cocamide DEA:**

Partition coefficient: n-octanol/water : log Pow: 4.2  
Remarks: Based on data from similar materials

**Sodium Lauryl Sulfate:**

Partition coefficient: n-octanol/water : log Pow: 1.88  
Remarks: Based on data from similar materials

**Chloroxlylenol:**

Partition coefficient: n-octanol/water : log Pow: 3.27

**Mobility in soil**

No data available

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

- Waste from residues : Dispose of in accordance with local regulations.
- Contaminated packaging : Dispose of as unused product.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.
- 

**SECTION 14. TRANSPORT INFORMATION****International Regulation****IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**National Regulations****TDG**

Not regulated as a dangerous good

**SECTION 15. REGULATORY INFORMATION****The components of this product are reported in the following inventories:**

TSCA	On the inventory, or in compliance with the inventory
AICS	Not in compliance with the inventory
DSL	On the inventory, or in compliance with the inventory
ENCS	Not in compliance with the inventory
ISHL	Not in compliance with the inventory
KECI	Not in compliance with the inventory
PICCS	Not in compliance with the inventory
IECSC	On the inventory, or in compliance with the inventory
NZIoC	On the inventory, or in compliance with the inventory

**Canadian lists**

No substances are subject to a Significant New Activity Notification.



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**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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