

MATERIAL SAFETY DATA SHEET
Sanodure Brown GL

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Substance key: 000000239654
Version : 1 - 2 / CDNRevision Date: 05/30/2008
Date of printing :01/07/2009**WHMIS controlled:** yes
Class: D 2B**Section 01 - Product Information**

Identification of the company:	Clariant (Canada) Inc. 4600 Cousens Street St.Laurent, Q.C., H4S 1X3
Information of the substance/preparation:	ESHA Phone (514) 334-1117, Fax (514) 334-6232
Emergency tel. number:	+1 CANUTEC (613) 996-6666

Trade name:	Sanodure Brown GL
Material number:	000000000000214633
Chemical family:	Trivalent Chromium Complex
Primary product use:	Colorant/dye

Section 02 - Composition information on hazardous ingredients**Hazardous ingredients:**

Component	CAS number	Concentration
Disodium [3-[4,5-dihydro-4-[(2-hydroxy-5-nitrophenyl)azo]-3-methyl-5-oxo-1H-pyrazol-1-yl]benzenesulphonato(3-)][1-[[2-hydroxy-5-(phenylazo)phenyl]azo]-2-naphtholato(2-)]chromate(2-)	70236-62-3	60 - 100 %
Chromium, elemental	7440-47-3	1 - 5 %

Section 03 - Hazards identification**Health effects of exposure:**

Eye and skin contact may cause irritation. Inhalation may cause irritation to the respiratory tract. Skin contact may cause sensitization.

Chromium: chromium and certain compounds of chromium have been reported to cause damage to the lungs resulting in cumulative damage to the lungs. Only the hexavalent form of chromium (cas# 18540-29-9) is listed in IARC group 1 (human carcinogen). The other chromium compounds are listed in IARC group 3 (inadequate evidence). Dermatitis has been reported from é repeated contact with certain chromium compounds. Sensitization may occur on repeated contact. This compound is the trivalent form of chromium and not the hexavalent form of chromium.

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Listed carcinogen:

IARC: No
NTP: No
OSHA: No
Other: No

Section 04 - First aid measures

After inhalation:

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped or is difficult. Get prompt medical attention. Do not give fluids if victim is unconscious.

After contact with skin:

Remove contaminated clothing and wash affected areas with plenty of water. If redness or skin irritation occurs, seek medical attention.

After contact with eyes:

Immediately wash the eyes with flowing water for at least 15 minutes. Insure proper irrigation by occasionally lifting upper and lower eyelids. Thereafter seek prompt medical attention.

After ingestion:

If ingested, do not induce vomiting. Get immediate medical assistance.

Advice to doctor / Treatment:

None known.

Section 05 - Fire fighting measures

Flashpoint: Not applicable

Lower explosion limit: not tested.

Upper explosion limit: not tested.

Ignition temperature: not tested.

Extinguishing media: water spray jet
foam

Unusual fire and explosion hazards: Emits toxic fumes under fire conditions. This product presents no unusual fire or explosion hazards while sealed in a shipping container. During usage, if a dust cloud is generated, organic powders have the potential to be explosive with static spark or flame initiation.

Hazardous combustion products:

In case of fires, hazardous combustion gases are formed:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Sulphur oxides

Section 06 - Accidental release measures

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Wear prescribed protective equipment. Sweep up or shovel into disposal containers using non-sparking tools. Eliminate ignition sources. Wet down with non-reactive liquid if required to limit dusting. If melted, allow to solidify first. Clean up spill location. Must not be released into sewers, drains or wells.

Section 07 - Handling and storage**Advice on safe handling:**

Use only with adequate ventilation and proper protective eyewear, gloves, and clothing.

Further info on storage conditions:

Keep container tightly closed in a cool, well-ventilated place

Section 08 - Exposure controls / personal protection**Occupational exposure limits:**

Component	CAS number:	Regulatory list	Type of value	Value 1	Value 2
Chromium, metal and Cr III compounds	7440-47-3	US ACGIH Threshold Limit Values	Threshold Limit Value_Time Weighted Average		0.5 mg/m3

Respiratory protection: Wear an approved dust respirator when handling product.

Hand protection: Butyl Rubber, PVC or Neoprene

Eye protection: Wear safety glasses with side-shields.

Other protective equipment: Wear clothing suitable to avoid skin contact.

Advice on system design: Local ventilation recommended - mechanical ventilation may be used.

Section 09 - Physical and chemical properties

Form: Powder

Color: brown

Odor: not specified

pH: 6.0 - 7.0

Solubility in water: 30 g/l (20 °C)

Density: not tested.

Melting point : not determined

Vapor pressure: Not applicable

Partitioning coef. octanol/water: Not determined

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Hazardous Polymerization: Will not occur.
Conditions to avoid: None known.

**Incompatibility with
(Conditions to avoid) :** None known.

Section 11 - Toxicological information

Acute oral toxicity: LD50 > 5,000 mg/kg (rat)

Acute inhalation toxicity: No data.

Acute dermal toxicity: No data.

Section 12 - Ecological information

Biodegradation: Method: static method

Fish toxicity: LC0 0.7 mg/l (48 h, rainbow trout)
LC50 0.8 mg/l (48 h, rainbow trout)

Daphnia toxicity: No data available.

Algae toxicity: No data available.

Bacteria toxicity: not tested.

Remarks:

A component of the product is toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.

Section 13 - Disposal considerations**Waste disposal information:**

Recommended disposal is by incineration in an approved facility. Follow local regulations.

Section 14 - Transport information**TDG**

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
Packing group: III
UN/ID number: UN 3077
Primary risk: 9
Remarks: Shipment permitted
Hazard inducer(s): Azo dye / complex chromium containing

IATA

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

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Class: 9
Packing group: III
UN/ID number: UN 3077
Primary risk: 9
Remarks: Shipment permitted
Hazard inducer(s): Azo dye / complex chromium containing

IMDG

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
Packing group: III
UN no.: UN 3077
Primary risk: 9
Hazard inducer(s): Azo dye / complex chromium containing
EmS: F-A S-F

Section 15 - Regulatory information**Registration status**

DSL: yes
NDSL: no

CEPA

Listed as priority substance: no
Listed as toxic substance: no

TSCA Status:

All components of this product are listed on the TSCA Inventory.

Section 16 - Other information**WHMIS**

Skin contact may cause sensitization.
May cause irritation to eyes, skin and respiratory system.

The information contained on this MSDS is to the best of our knowledge an accurate summary of the data available as of the date of preparation. Clariant (Canada) Inc. is not liable for the application or use of this information in situations beyond its control or outside the normal and expected use of its product. Clariant (Canada) Inc. assumes no responsibility for damage or injury from the use of the product described herein.