

Sanodure Bronze G

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Substance key: KS9056
Version : 2 - 0 / CDNRevision Date: 01/09/2014
Date of printing :01/15/2014

WHMIS controlled: no

Section 01 - Product and company identification**Identification of the company:**Clariant (Canada) Inc.
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Toronto, Ontario, M9C 5R9
Telephone No.: +1 514-832-2559**Information of the substance/preparation:**ESHA
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Canada.PS@Clariant.com**Emergency tel. number:** +1 CANUTEC (613) 996-6666**Trade name:** Sanodure Bronze G
Material number: 102254
Chemical family: azo dyestuff/iron complex
anionic
Primary product use: aluminium dye**Section 02 - Hazards identification****Health effects of exposure:**

Eye and skin contact may cause irritation. Inhalation of dust may irritate the respiratory tract.

Hexylene glycol: harmful by ingestion and inhalation. May cause central nervous system effects. Irritant to skin and respiratory system. Severe irritant to eyes. May cause allergic skin reactions. The effects of long term exposure have not been determined.

Listed carcinogen: IARC: No
NTP: No
OSHA: No
Other: No**Section 03 - Composition/information on ingredients****Hazardous ingredients:**

Component	CAS number	Concentration
Hexylene glycol	107-41-5	1 - 5 %

Hazardous component is present on WHMIS Ingredient Disclosure List.
Disclosed for information purposes only.**Component toxicity information:**

Hexylene glycol (107-41-5)

Acute oral toxicity: LD50 > 2,000 mg/kg (rat)
Source: Supplier

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Acute inhalation toxicity:	LC50 (8 h, rat) Source: Supplier
Acute dermal toxicity:	LD50 > 2,000 mg/kg (rat) Source: Supplier

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 soap and plenty of water for at least 15 minutes. If redness or skin irritation occurs, seek medical attention.

After contact with eyes:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get 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

Extinguishing media: all

Special fire fighting procedure:

Cool container and metallic parts with a water spray jet

Unusual fire and explosion hazards: Organic dusts have potential to be explosive with static spark or flame initiation. Maintain good housekeeping for control of dust.

Hazardous combustion products:

Carbon oxides
iron(III) oxide
nitrogen oxides (NOx)
Sulphur oxides

Minimum ignition energy : > 1 J
not capable of dust explosion
Method: modified Hartmann tube

Section 06 - Accidental release measures**Steps to be taken in case of spill or leak:**

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.

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

No special measures necessary.

Further info on storage conditions:

Keep containers tightly closed in a cool, well-ventilated place.

Keep container tightly closed in a cool, well-ventilated place, open and handle carefully.

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

Component	CAS number:	Regulatory list	Type of value	Value 1	Value 2
Hexylene glycol	107-41-5	US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	Ceiling limit	25 ppm	

Respiratory protection: Respirator with a dust filter**Hand protection:** Rubber or plastic gloves**Eye protection:** Safety glasses with side-shields**Other protective equipment:** Wear clothing suitable to avoid skin contact.**Section 09 - Physical and chemical properties**

Form: Granules
Color: bronze
Odor: not specified
pH: approximately 3 (20 °C, 3 g/l)
Solubility in water: 15 g/l (20 °C)
Melting point : not applicable
Boiling point : not applicable (1,013 hPa)
Bulk density: 800 kg/m³

Section 10 - Stability and reactivity

Thermal decomposition: 210 °C (Heating rate:0.75 K/min)
Method: SANDOZ Radex dynamic decomposition test
Spontaneous decomposition, open cup

Thermal decomposition: 200 °C
Method: SANDOZ long duration test open cup
Heating rate: 0 K/min, open cup

Chemical stability: Stable

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Hazardous Polymerization:	Hazardous polymerisation does not occur. Conditions to avoid: None known.
Incompatibility with (Conditions to avoid) :	None known.
Hazardous decomposition products	When used and handled as intended, none.

Section 11 - Toxicological information

Acute oral toxicity:	LD50 > 5,000 mg/kg (rat)
Skin irritation:	non-irritant (rabbit) Method: 16CFR1500.41
Eye irritation:	non-irritant (rabbit) Method: 16CFR1500.42

Section 12 - Ecological information**Product information:**

Biodegradation:	approximately 30 % (14 d, TOC) Method: HOECHST method
Fish toxicity:	LC0 400 mg/l (48 h, Oncorhynchus mykiss (rainbow trout)) Method: mod. routine bioassay method of 1.11.74
Bacteria toxicity:	IC50 > 100 mg/l (activated sludge) Method: OECD Test Guideline 209

Remarks:

Product does not contain any organic bound Halogens which could lead to AOX-values.

Component information:

2-Methylpentane-2,4-diol (107-41-5)

Biodegradation:	81 % (28 d) Readily biodegradable. Source: Supplier
Fish toxicity:	8,510 mg/l (96 h, Gambusia affinis (Mosquito fish)) Source: Supplier
Daphnia toxicity:	EC50 5,410 mg/l (48 h, Daphnia magna (Water flea)) Source: Supplier
Algae toxicity:	IC50 > 429 mg/l (72 h, Selenastrum capricornutum (green algae)) Source: Supplier

Section 13 - Disposal considerations

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Waste disposal information:

Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

Section 14 - Transport information

TDG	not restricted
IATA	not restricted
IMDG	not restricted

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.

FDA:

This product is not registered with the FDA.

Section 16 - Other information

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.