

Sanodure Fast Bronze L

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Substance key: KS8705

Revision Date: 01/15/2014

Version : 2 - 0 / CDN

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WHMIS controlled: no

Section 01 - Product and company identification**Identification of the company:**

Clariant (Canada) Inc.
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Information of the substance/preparation:

ESHA
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Trade name: Sanodure Fast Bronze L
Material number: 102260
Chemical family: azo dyestuff/copper 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.

Copper: prolonged or repeated exposure to copper can discolor skin and hair and irritate the skin; may cause mild dermatitis, runny nose, and irritation of the mucous membranes.

Repeated ingestion may damage the liver and kidneys. Repeated inhalation can cause chronic respiratory disease. Overexposure to copper salts may cause irritation to skin, eyes and upper 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
Copper, elemental	7440-50-8	1 - 5 %
Hexylene glycol	107-41-5	1 - 5 %

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Disclosed for information purposes only.

Hazardous component is present on WHMIS Ingredient Disclosure List.

Component toxicity information:

Copper, elemental (7440-50-8)

Acute oral toxicity: Test data for the substance are not available.

Hexylene glycol (107-41-5)

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

Source: Supplier

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
Copper oxides
nitrogen oxides (NOx)
Sulphur oxides

Minimum ignition energy :

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

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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.

Section 07 - Handling and storage

Advice on safe handling:

Keep container tightly closed.

Further info on storage conditions:

Keep container tightly closed in a cool, well-ventilated place, open and handle carefully.
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Section 08 - Exposure controls / personal protection

Occupational exposure limits:

Component	CAS number:	Regulatory list	Type of value	Value 1	Value 2
Copper, Dusts and mists (Dust and mist)	7440-50-8	US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	8-hour, time-weighted average		1 mg/m3
Copper, Fume (Fume)	7440-50-8	US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	8-hour, time-weighted average		0.2 mg/m3
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: powder

Color: brown

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Odor:	not specified
pH:	approximately 10 (20 °C, 3 g/l)
Solubility in water:	approximately 100 g/l (20 °C) soluble
Melting point :	not applicable
Boiling point :	(1,013 hPa) not applicable
Bulk density:	800 kg/m ³

Section 10 - Stability and reactivity

Thermal decomposition:	230 °C Method: dynamic decomposition test open cup
Thermal decomposition:	220 °C Method: isoperibolic decomposition test Heating rate: 0 K/min, open cup
Chemical stability:	Stable
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 83 % (14 d, TOC) Method: static test
Fish toxicity:	LC0 130 mg/l (48 h, Oncorhynchus mykiss (rainbow trout))
Bacteria toxicity:	IC50 > 100 mg/l (activated sludge) Method: OECD Test Guideline 209

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Remarks:
no data available

Component information:

Copper (as an integral part of dye molecule) (7440-50-8)

Fish toxicity: Test data for the substance are not available.

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

Waste disposal information:
Can be landfilled or incinerated, when in compliance with local regulations.

Section 14 - Transport information

TDG	not restricted
IATA	not restricted
IMDG	not restricted

Section 15 - Regulatory information

Registration status

	DSL:	yes
	NDSL:	no
	All components of the product are listed on the DSL/Canada.	

CEPA

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

NPRI yes

TSCA Status:

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

FDA:

This product is not registered with the FDA.

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Section 16 - Other information

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