

# MATERIAL SAFETY DATA SHEET



**Sanodure Bordeaux RL**

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Substance key: KS8701

Revision Date: 01/15/2014

Version : 2 - 0 / CDN

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**WHMIS controlled:** yes  
**Class:** D2B

## Section 01 - Product and company identification

**Identification of the company:**

Clariant (Canada) Inc.  
2 Lone Oak Court  
Toronto, Ontario, M9C 5R9  
Telephone No.: +1 514-832-2559

**Information of the substance/preparation:**

ESHA  
Phone (514) 832 2559, Fax (704) 330 1505  
Canada.PS@Clariant.com

**Emergency tel. number:** +1 CANUTEC (613) 996-6666

**Trade name:** Sanodure Bordeaux RL  
**Material number:** 102253  
**Chemical family:** azo dyestuff/chromium complex  
anionic  
**Primary product use:** aluminium dye

## Section 02 - Hazards identification

**Health effects of exposure:**

Eye contact will cause irritation. Skin contact and inhalation may cause irritation.

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 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.

C.I. Mordant red 81: eye irritant. The effects of long term exposure have not been determined. 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
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Hexylene glycol	107-41-5	1 - 5 %
Pentasodium bis[2,4-dihydroxy-5-[(2-hydroxy-3-nitro-5-sulphophenyl)azo]benzoato(4-)]chromate(5-)	74196-15-9	60 - 100 %
Chromium, elemental	7440-47-3	5 - 10 %

**Component toxicity information:**

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  
Chromium oxides  
nitrogen oxides (NOx)  
Sulphur oxides

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**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.

**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
Chromium, metal (Metallic)	7440-47-3	US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	8-hour, time-weighted average		0.5 mg/m <sup>3</sup>
Chromium, metal and Cr III compounds		US ACGIH Threshold Limit Values	Threshold Limit Value_Time Weighted Average		0.5 mg/m <sup>3</sup>

**Respiratory protection:** Respirator with a dust filter

**Hand protection:** Rubber or plastic gloves

**Eye protection:** Tightly fitting safety goggles

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

**Section 09 - Physical and chemical properties**

**Form:** Granules  
**Color:** red  
**Odor:** not specified  
**pH:** 3 - 4 (20 °C, 3 g/l)

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<b>Solubility in water:</b>	approximately 50 g/l (20 °C) soluble
<b>Melting point :</b>	not applicable
<b>Boiling point :</b>	not applicable
<b>Bulk density:</b>	800 kg/m <sup>3</sup>

**Section 10 - Stability and reactivity**

<b>Thermal decomposition:</b>	190 °C Method: dynamic decomposition test
<b>Thermal decomposition:</b>	150 °C Method: isoperibolic decomposition test Heating rate: 0 K/min
<b>Chemical stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Hazardous polymerisation does not occur. Conditions to avoid: None known.
<b>Incompatibility with (Conditions to avoid) :</b>	None known.
<b>Hazardous decomposition products</b>	When used and handled as intended, none.

**Section 11 - Toxicological information**

<b>Acute oral toxicity:</b>	LD50 > 5,000 mg/kg (rat) Method: SANDOZ internal test
<b>Skin irritation:</b>	non-irritant (rabbit) Method: SANDOZ internal test
<b>Eye irritation:</b>	Irritant (rabbit) Method: SANDOZ internal test

**Section 12 - Ecological information**

<b>Product information:</b>	
<b>Biodegradation:</b>	approximately 55 - 73 % (14 d, TOC) Method: static test
<b>Fish toxicity:</b>	LC0 200 mg/l (48 h, Oncorhynchus mykiss (rainbow trout))
<b>Bacteria toxicity:</b>	IC50 > 100 mg/l (activated sludge) Method: OECD Test Guideline 209

**Remarks:**  
no data available

**Component information:**  
2-Methylpentane-2,4-diol ( 107-41-5 )

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<b>Biodegradation:</b>	81 % (28 d) Readily biodegradable. Source: Supplier
<b>Fish toxicity:</b>	8,510 mg/l (96 h, Gambusia affinis (Mosquito fish)) Source: Supplier
<b>Daphnia toxicity:</b>	EC50 5,410 mg/l (48 h, Daphnia magna (Water flea)) Source: Supplier
<b>Algae toxicity:</b>	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**

<b>TDG</b>	not restricted
<b>IATA</b>	not restricted
<b>IMDG</b>	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.

**Section 16 - Other information**

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## WHMIS



Causes eye irritation.

MAY CAUSE SKIN AND RESPIRATORY IRRITATION

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