

## Sanodure Yellow Brown 2G

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Substance key: KS8708

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.  
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 Yellow Brown 2G  
**Material number:** 102268  
**Chemical family:** azo dyestuff/chromium complex  
azo dyestuff/iron complex  
Mixture  
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.

Any available toxicological data is shown in Section 11. No other information was found in the public literature for any effects of exposure and no health evaluation is thus possible.

Therefore, handle with care and avoid unnecessary exposures.

**Listed carcinogen:** IARC: No  
NTP: No  
OSHA: No  
Other: No

**Section 03 - Composition/information on ingredients****Hazardous ingredients:**

Component	CAS number	Concentration
Chromium, elemental	7440-47-3	0.5 - 1.5 %
Tetrasodium [3-[[2-amino-5-hydroxy-6-[(2-hydroxy-5-nitro-3-sulphophenyl)azo]-7-sulpho-1-naphthyl]azo]-2-hydroxy-5-sulphobenzoato(6-)]ferrate(4-)	72187-17-8	1 - 5 %
Hexylene glycol	107-41-5	1 - 5 %

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Disclosed for information purposes only.

**Component toxicity information:**

Hexylene glycol ( 107-41-5 )

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

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**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.

Keep away sources of ignition.

**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>

**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:** brown

**Odor:** not specified

**pH:** 3 - 4 (20 °C, 3 g/l)

**Solubility in water:** approximately 20 g/l (20 °C)  
soluble

**Melting point :** not applicable

**Boiling point :** not applicable ( 1,013 hPa)

**Bulk density:** 800 kg/m<sup>3</sup>

**Section 10 - Stability and reactivity**

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<b>Thermal decomposition:</b>	190 °C (Heating rate:0.75 K/min) Method: SANDOZ Radex dynamic decomposition test open cup
<b>Thermal decomposition:</b>	180 °C Method: SANDOZ long duration test open cup Heating rate: 0 K/min, open cup
<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)
<b>Skin irritation:</b>	non-irritant (rabbit) Method: 16CFR1500.41
<b>Eye irritation:</b>	non-irritant (rabbit) Method: 16CFR1500.42

**Section 12 - Ecological information**

<b>Product information:</b>	
<b>Biodegradation:</b>	approximately 65 % (14 d, TOC) Method: static test
<b>Fish toxicity:</b>	LC0 > 1,000 mg/l (48 h, Oncorhynchus mykiss (rainbow trout))
<b>Bacteria toxicity:</b>	IC50 > 100 mg/l (activated sludge) Method: OECD Test Guideline 209
<b>Remarks:</b>	no data available
<b>Component information:</b>	
2-Methylpentane-2,4-diol ( 107-41-5 )	
<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

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**Algae toxicity:** IC50 > 429 mg/l (72 h, Selenastrum capricornutum (green algae))  
Source: Supplier

**Section 13 - Disposal considerations**

**Waste disposal information:**  
Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

**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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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.