

## Sanodure Olive Brown 2R

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Substance key: KS6760

Revision Date: 01/15/2014

Version : 2 - 0 / CDN

Date of printing :01/15/2014

WHMIS controlled: yes  
Class: D2A

**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 Olive Brown 2R  
**Material number:** 102033  
**Chemical family:** azo dyestuff/nickel 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.

Nickel and specific compounds of nickel: nickel and specific compounds of nickel have been reported to cause dermatitis in sensitive individuals. Ingestion of soluble salts can cause nausea, vomiting and diarrhea. Dust may irritate eyes, mucous membranes and skin. Nickel is an experimental carcinogen, equivocal tumorigenic agent, and has been shown to cause neoplastic effects. Nickel is a positive animal carcinogen (IARC), human carcinogen (ntp) and animal teratogen. Positive tests for mutagenicity have been reported for nickel and some specific compounds of nickel. Listed in IARC group 1 (carcinogenic agent to humans).

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
Nickel, elemental	7440-02-0	1 - 5 %

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Hexylene glycol	107-41-5	1 - 5 %
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**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:** Product is compatible with standard fire-fighting agents.

**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  
nickel oxides  
nitrogen oxides (NOx)  
Sulphur oxides

**Minimum ignition energy :** < 10 J  
Risk 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:**

Keep container tightly closed.

**Further info on storage conditions:**

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

**Section 08 - Exposure controls / personal protection**

**Occupational exposure limits:**

Component	CAS number:	Regulatory list	Type of value	Value 1	Value 2
Nickel Elemental (Elemental)	7440-02-0	US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	8-hour, time-weighted average		1.5 mg/m3

**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:**

Disposable work suit should be worn during handling of product. Employees should shower at the end of the working day. Wash properly before eating.

**Section 09 - Physical and chemical properties**

**Form:** Granules  
**Color:** dark brown  
**Odor:** not specified  
**pH:** 5 - 6 (20 °C, 10 g/l)

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<b>Solubility in water:</b>	approx. 30 g/l (20 °C) soluble
<b>Melting point :</b>	not applicable
<b>Boiling point :</b>	not applicable ( 1,013 hPa)
<b>Bulk density:</b>	approx. 800 kg/m <sup>3</sup>

**Section 10 - Stability and reactivity**

<b>Thermal decomposition:</b>	220 °C Method: isoperibolic decomposition test Heating rate: 0 K/min, open cup
<b>Thermal decomposition:</b>	230 °C Method: dynamic decomposition test
<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>	not 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>	non-irritant (rabbit) Method: SANDOZ internal test

**Section 12 - Ecological information**

<b>Product information:</b>	
<b>Biodegradation:</b>	approx. 61 % (14 d, TOC) Method: HOECHST method
<b>Fish toxicity:</b>	LC0 200 mg/l (48 h, Oncorhynchus mykiss (rainbow trout)) Method: mod. routine bioassay method of 1.11.74

**Remarks:**

Avoid release to the environment.

**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:**

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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### WHMIS



May irritate eyes and skin.

Inhalation of dust may irritate the respiratory tract.

A dust cloud of the product could be ignited by a spark or flame.

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