

Sanodure Orange G

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Version : 2 - 0 / CDNRevision Date: 01/15/2014
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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
Phone (514) 832 2559, Fax (704) 330 1505
Canada.PS@Clariant.com**Emergency tel. number:** +1 CANUTEC (613) 996-6666**Trade name:** Sanodure Orange G
Material number: 102071
Chemical family: azo dyestuff/chromium 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.

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.

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.

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:**

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Component	CAS number	Concentration
Chromium, elemental	7440-47-3	1 - 5 %
Hexylene glycol	107-41-5	3 - 7 %

Disclosed for information purposes only.

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: Product is compatible with standard fire-fighting agents.

Special fire fighting procedure:

Cool container and metallic parts with a water spray jet
Set up threefold fire attack, use extinguishants singly or in combination, equip branchman and support team with respiratory protective equipment.

Hazardous combustion products:

Carbon oxides
Chromium 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
Hexylene glycol	107-41-5	US. Threshold Limit Values (TLV) for Chemical Substances in the Work Environment Adopted Values	Ceiling limit	25 ppm	
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 ³

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: orange
Odor: not specified
pH: 8.5 - 9.5 (20 °C, 1 g/l)
Solubility in water: 40 g/l (30 °C)
soluble

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Solubility in water:	70 g/l (90 °C)
Melting point :	not applicable
Boiling point :	not applicable (1,013 hPa)
Bulk density:	approx. 800 kg/m ³

Section 10 - Stability and reactivity

Thermal decomposition:	180 °C Method: SANDOZ long duration test open cup Heating rate: 0 K/min, open cup
Thermal decomposition:	200 °C (Heating rate:0.75 K/min) Method: SANDOZ Radex dynamic decomposition test open cup
Chemical stability:	Stable
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 > 7,700 mg/kg (rat) Method: 1999/45/EC
Skin irritation:	non-irritant (rabbit) Method: 1999/45/EC
Eye irritation:	non-irritant (rabbit) Method: 1999/45/EC

Section 12 - Ecological information

Product information:	
Biodegradation:	< 10 % (TOC) Method: internal test
Fish toxicity:	LC0 approx. 20 mg/l (48 h, Oncorhynchus mykiss (rainbow trout)) Method: test result of the active component. LC50 approx. 45 mg/l (48 h, Oncorhynchus mykiss (rainbow trout)) Method: test result of the active component.
Bacteria toxicity:	IC50 > 300 mg/l (activated sludge)
Remarks:	no data available
Component information:	

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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:
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
 || 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

MATERIAL SAFETY DATA SHEET



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