

MATERIAL SAFETY DATA SHEET**Sanodure Grey NL liq**

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Substance key: KS6680
Version : 1 - 2 / CDNRevision Date: 08/17/2012
Date of printing :08/17/2012**WHMIS controlled:** yes
Class: D 2B**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
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Canada.PS@Clariant.com**Emergency tel. number:** +1 CANUTEC (613) 996-6666**Trade name:** **Sanodure Grey NL liq**
Material number: 102019
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 may cause irritation. May cause sensitization by skin contact.

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.

Azo dye/chromium complex: may cause sensitization by skin contact.

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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Trisodium bis[4-amino-3-[(2-hydroxy-3,5-dinitrophenyl)azo]naphthalene-1-sulphonato(3-)]chromate(3-)	74196-16-0	10 - 30 %
Chromium, elemental	7440-47-3	0.1 - 1 %

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 plenty of water. If redness or skin irritation occurs, seek medical attention.

After contact with eyes:

Immediately wash the eyes with flowing water for at least 15 minutes. Insure proper irrigation by occasionally lifting upper and lower eyelids. Thereafter seek prompt 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: no flash point up to the boiling point Method: PENSKY-MARTENS (closed cup)

Extinguishing media: compatible with all usual extinguishing media

Special fire fighting procedure:

Cool container and metallic parts with a water spray jet

Unusual fire and explosion hazards: None known.

Hazardous combustion products:

carbon oxides
nitrogen oxides
sulfur oxides

Section 06 - Accidental release measures**Steps to be taken in case of spill or leak:**

Wear suitable protective equipment. Ensure adequate ventilation. Contain spill and pump into proper containers using compatible equipment. Smaller spills may be recovered using inert absorbent material (sand, sawdust) and collected into suitable containers. Wash spill area. Do not allow the product to enter sewers or waterways.

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No special measures required.

When used and handled appropriately no special measures are needed

Further info on storage conditions:

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

Keep container tightly closed in a cool, well-ventilated place, open and handle carefully.

Keep away from 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 and Cr III compounds	7440-47-3	US ACGIH Threshold Limit Values	Threshold Limit Value_Time Weighted Average		0.5 mg/m3
Diethylene glycol monoethyl ether	111-90-0	AIHA. Workplace Environmental Exposure Levels (WEEL)	Time-weighted average (8 hrs)		

Respiratory protection:

Wear an approved respirator if vapours or mists are generated when handling or processing this product. Use appropriate filters. Do not exceed filters limitations.

Hand protection:

Butyl Rubber, PVC or Neoprene

Eye protection:

Wear safety glasses with side-shields.

Other protective equipment:

Wear clothing suitable to avoid skin contact.

Recommended use of tyvek suit with the use of a barrier creme (arrotil) on all exposed areas of skin.

Section 09 - Physical and chemical properties

Form:	aqueous-organic solution
Color:	black
Odor:	not specified
pH:	approx. 6 (20 °C, 5 g/l)
Solubility in water:	(20 °C) miscible
Density:	1.13 g/cm ³ (20 °C, 1,013 hPa)
Melting point :	not applicable
Boiling point :	> 100 °C

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Chemical stability:	Stable.
Hazardous Polymerization:	Will 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) Method: SANDOZ internal test
Skin irritation:	non-irritant (rabbit) Method: SANDOZ internal test
Eye irritation:	non-irritant (rabbit) Method: SANDOZ internal test
Sensitization:	sensitizing Directive 1999/45/EC

Section 12 - Ecological information

Biodegradation:	approx. 70 % (14 d, TOC) Method: HOECHST method
Fish toxicity:	LC0 100 mg/l (48 h, rainbow trout (salmo gairdneri, oncorhynchus mykiss)) Method: mod. routine bioassay method of 1.11.74 LC50 225 mg/l (48 h, rainbow trout (salmo gairdneri, oncorhynchus mykiss)) Method: mod. routine bioassay method of 1.11.74
Bacteria toxicity:	IC50 > 100 mg/l (activated sludge) Method: OECD 209 * 1984 activated sludge.Respir.inhib.

Remarks:

Product does not contain any organic bound Halogens which could lead to AOX-values.

Section 13 - Disposal considerations**Waste disposal information:**

Wastes may be incinerated or landfilled after solidification in approved sites. Follow local regulations.

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TDG	not restricted
IATA	not restricted
IMDG	not restricted

Section 15 - Regulatory information**Registration status**

DSL:	yes
NDSL:	no

CEPA

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

NPRI	yes
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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**WHMIS**

Eye and skin contact may cause irritation.
Inhalation may cause irritation.
May cause sensitization by skin contact.

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.