

MATERIAL SAFETY DATA SHEET

SURFTREAT 607N (SURFAC 607N)

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Substance key: 000000477291

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WHMIS controlled: yes
Class: B2
 D2B

Section 01 - Product and company identification

Identification of the company: Clariant (Canada) Inc.
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Information of the substance/preparation:

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Trade name: SURFTREAT 607N

Material number: 280879

Primary product use: Surfactant

Section 02 - Hazards identification

Health effects of exposure:

Flammable. Toxic by ingestion. Harmful by inhalation and skin contact. Eye and skin contact will cause burns. Inhalation of spray or mists will cause burns to the respiratory tract. May result in permanent damage. May affect fetal development.

Methanol: toxic by ingestion, inhalation and skin contact. Danger of very serious irreversible effects through ingestion, inhalation and skin contact including blindness. Highly flammable. Teratogen.

Monoethanolamine: harmful by ingestion and inhalation. Eye and skin contact will cause burns. Inhalation of spray or mists will cause burns to the respiratory tract. May result in permanent damage. May cause liver and kidney damage. May damage the developing fetus. Alkylbenzenesulfonic acid: harmful by ingestion and inhalation. Eye and skin contact will cause burns. Inhalation of spray or mists will cause burns to the respiratory tract. May result in permanent damage.

Section 03 - Composition/information on ingredients

Hazardous ingredients:

Component	CAS number	Concentration
Methyl alcohol	67-56-1	10 - 30 %
Benzenesulfonic acid, C10-16- alkyl derivs.	68584-22-5	15 - 40 %
Monoethanolamine	141-43-5	7 - 13 %
Benzene, C10-16-alkyl derivs.	68648-87-3	0.1 - 1 %
Sulfuric acid	7664-93-9	0.1-1%

Component toxicity information:

Methyl alcohol (67-56-1)

Acute oral toxicity: LD0 428 mg/kg (Humans)

Monoethanolamine (141-43-5)

Acute oral toxicity: LD50 2,140 mg/kg (Rat)

Section 04 - First aid measures

After inhalation:

Get victim to fresh air. Loosen tight clothing such as collar, tie, belt or waistband. If breathing is difficult administer oxygen. If victim is not breathing, give mouth to mouth resuscitation. Get prompt medical attention. Warning: giving mouth to mouth resuscitation when the inhaled material is toxic may be hazardous to the person providing aid.

After contact with skin:

Remove contaminated clothing and wash affected areas with plenty of water. Get immediate medical assistance for treatment of burns.

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 swallowed, DO NOT induce vomiting. Get immediate medical advice/ attention.

Advice to doctor / Treatment: None known.

Section 05 - Fire fighting measures

Flashpoint: 23 - 60 °C

Ignition temperature: not tested.

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special fire fighting procedure:

Wear full protective clothing and self-contained breathing apparatus. Suppress (knock down) gases/vapours/mists with a water spray jet. Cool endangered containers with water spray jet.

Hazardous combustion products:

In case of fire hazardous decomposition products may be produced such as: Carbon oxides
Nitrogen oxides (NO_x)
Container explosion may occur under fire conditions.

Section 06 - Accidental release measures

Steps to be taken in case of spill or leak:

Only trained personnel should be involved in spill operations. Wear suitable protective equipment. Ensure adequate ventilation. Remove all ignition sources. Contain spill and pump into proper containers using explosion-proof equipment. Smaller spills may be recovered using an inert non-combustible absorbent material (sand, kieselguhr) and collected into suitable containers. Do not use organic absorbent material. Containers in which spilt substance has been collected must be properly labelled. Spill may be covered with an appropriate foam to hinder the formation of explosive vapours. Wash spill area. Do not allow to enter sewers, storm drains, surface waters or the soil.

Section 07 - Handling and storage

Advice on safe handling:

Keep away from heat, sparks and open flames. - Avoid breathing vapors or contact with skin, eyes, and clothing.- Use only with adequate ventilation and proper protective eyewear, face shield, gloves and clothing. Wash thoroughly after handling. Keep container closed.

Further info on storage conditions:

Keep containers tightly closed in a cool, well-ventilated place. Handle and open container with care.
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
Methanol	67-56-1	USA. ACGIH Threshold Limit Values (TLV)	8-hour, time- weighted	200 ppm	
Methanol	67-56-1	USA. ACGIH Threshold Limit Values (TLV)	Short-term exposure limit	250 ppm	

Respiratory protection:

Wear an approved respirator when exposed to vapours or to

mists beyond the TLV. Use appropriate filters. Do not exceed filters limitations. TLV = Threshold Limit Value

Hand protection:	Butyl Rubber, PVC or Neoprene
Eye protection:	Tightly fitting safety goggles
Other protective equipment:	Avoid skin contact. Wear suitable protective clothing.

Section 09 - Physical and chemical properties

Form:	Liquid
Color:	Clear, amber
pH:	6.0 - 8.0
Density:	0.96 - 1.00 g/cm ³
Viscosity / (dynamic):	< 30 mPa.s

Section 10 - Stability and reactivity

Thermal decomposition:	No decomposition if used as directed.
Chemical stability:	Stable
Hazardous Polymerization:	Hazardous polymerisation does not occur.
Incompatibility with (Conditions to avoid) :	Keep away from heat and flames. Avoid contact with oxidizing materials.
Hazardous decomposition products	Nitrogen oxides (NO _x) Carbon monoxide and carbon dioxide

Section 11 - Toxicological information

Acute oral toxicity: May be harmful if swallowed., Data relate to methanol

Skin irritation: irritating
The product has not been tested. The information is derived from the properties of the individual components.

Eye irritation: irritating
This product has not been tested as a separate entity. The hazards have been evaluated based on individual ingredients.

Section 12 - Ecological information

Product information:

Remarks:
The product should not be allowed to enter drains, water courses or the soil. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component information:	Methanol (67-56-1)
Biodegradation:	99 % (28 d) Method: OECD Test Guideline 301D
Fish toxicity:	LC50 19,000 mg/l (96 h, Oncorhynchus mykiss (rainbow trout))
Daphnia toxicity:	LC50 > 10,000 mg/l (24 h)
Bacteria toxicity:	IC50 > 1,000 mg/l (3 h, activated sludge)

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	
Proper shipping name:	Flammable liquid, n.o.s.
Class:	3
Packing group:	III
UN/ID number:	UN 1993
Primary risk:	3
Remarks:	Shipment permitted

Hazard inducer(s): Methanol

IATA
Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN/ID number: UN 1993
Primary risk: 3
Remarks: Shipment permitted
Hazard inducer(s): Methanol

IMDG
Proper shipping name: Flammable liquid, n.o.s.
Class: 3
Packing group: III
UN no.: UN 1993
Primary risk: 3
Hazard inducer(s): Methanol
EmS: F-E S-E

Section 15 - Regulatory information

Registration status

DSL: yes
NDSL: no
All components of the product are listed on the DSL/Canada.

CEPA

Listed as toxic substance: Not listed
Listed as priority substance: Not listed

NPRI Listed

Section 16 - Other information

WHMIS



Flammable
Toxic by ingestion
Harmful by inhalation and in contact with skin.

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.