



Safety Data Sheet

Section 1 - Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identification **Suga®Nate 160**

| | |
|---------------------------|--|
| CAS Number | 742087-49-6 |
| EINECS | Not Available |
| REACH Registration Number | Not Available |
| Molecular Formula | Not Available |
| Molecular Weight | Not Available |
| Product Description | Clear/yellow viscous liquid |
| Synonyms | Sodium Laurylglucosides Hydroxypropylsulfonate |

1.2 Product Identification

| | |
|----------------------|---|
| Identified Uses | Personal care products, bath products, carpet cleaners, hard surface cleaners, hand soaps |
| Uses Advised Against | None |

1.3 Details of the Supplier of the Safety Data Sheet

| | |
|------------------------|---|
| Manufacturer | Colonial Chemical, Inc. PO Box 111 South Pittsburg, TN 37380 United States www.colonialchem.com |
| Telephone (Technical) | 423-837-8800 |
| Responsible Party – EU | Comercial Quimica Masso S.A. C/Viladomat 321, 5 th Floor 08029 Barcelona, Spain Telephone: 00 34 93.495.25.00 |

1.4 Emergency Telephone Number

| | |
|-------------------------|---|
| <u>Emergency</u> | 800-424-9300 – Chemtrec |
| <u>Emergency</u> | 703-527-3887 – Chemtrec – International Collect Calls |

Section 2 – Hazards Identification

EU/EEC

According to EU Directive 1271/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] and EU Directive 67/548/EEC (DSD) & 1999/45/EC (DPD)

2.1 Classification of the Substance or Mixture

CLP/REACH Not classified

DSD/DPD Not classified

2.2 Label Elements

CLP/REACH None

DSD/DPD None

2.3 Other Hazards

According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

This product is not considered dangerous according to the European Directive 67/548/EEC.

UN GHS

According to Third Revised Edition

2.1 Classification of the Substance or Mixture

Acute Hazards to the aquatic environment – Category 3 – H402

2.2 Label Elements

| | |
|------------------|---|
| Prevention | H402 – Harmful to aquatic life. |
| Response | P273 – Avoid release to the environment. |
| Storage/Disposal | P501 – Dispose of contents and/or container in accordance with local, regional, national, and/or international regulations. |

2.3 Other Hazards

According to the Globally Harmonized Standard for Classification and Labeling (GHS) this product is not considered hazardous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the Substance or Mixture

OSHA HCS Flammable/Combustible – Class IIIB

2.2 Label Elements

OSHA HCS Not available

2.3 Other Hazards

This product is considered hazardous under the U.S. OSHA 29 CFR 1910.1200 Hazard Communication Standard.

Canada

According to Canada WHMIS

2.1 Classification of the Substance or Mixture

WHMIS Not classified

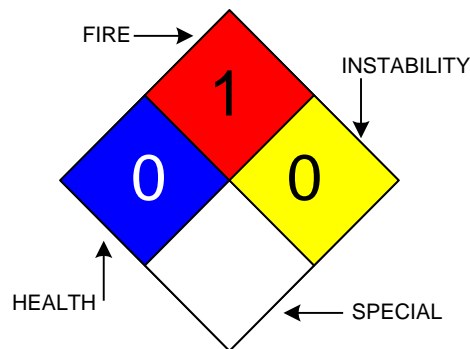
2.2 Label Elements

WHMIS None

2.3 Other Hazards

In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.3 Other Hazard Rating Systems



NFPA

Section 3 – Composition/Information on Ingredients

3.1 Substances

| Chemical Name | Identifiers | % (wt) | LD50/ LC50 | Classifications According to Regulation/Directive | Comments |
|--|--------------------------------|--------|---------------|--|----------|
| Sodium Laurylglucosides Hydroxypropylsulfonate | CAS: 742087- 49-6 | 37% | NDA | DSD/DPD: Not classified EU CLP: Not classified UN GHS: Acute hazard to the aquatic environment – Category 3 | None |

3.2 Mixtures

Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

Section 4 – First Aid Measures

4.1 Description of First Aid Measures

Inhalation Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.

| | |
|-----------|--|
| Skin | IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| Eye | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| Ingestion | Do not give anything by mouth to an unconscious person. Drink (one glass) (two glasses) of water. Call a physician (or poison control center). |

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Material has been tested for acute toxicity, skin and eye irritation, skin sensitization and mutagenicity. Acute toxicity tests in rats showed no effect to test population at oral doses greater than 2g/kg. Suga®Nate 100 is not irritating to the skin based on tests in human. *In vitro* tests indicate it will be non-irritating to eyes. Repeat insult patch test (HRIPT) does not indicate potential for skin irritation or allergic contact sensitization. Ames test results show no detectable genotoxic activity. No health effects are expected to be caused by exposure to this material.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Not Available

4.4 Other Information

Not available

Section 5 – Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media LARGE FIRES: Water spray, fog, or regular foam.
SMALL FIRES: Dry chemical, CO₂, water spray, or regular foam.

Unsuitable Extinguishing Media None known

Firefighting Procedures Do not direct a solid stream of water or foam into, hot burning pools; this may cause frothing and increase fire intensity.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion None known

Hazards

Hazardous Combustion No data available

Products

5.3 Advice for Firefighters

Wear positive pressure self-contained breathing apparatus (SCBS). Structural firefighters' protective clothing will only provide limited protection.

Section 6 – Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency Procedures

| | |
|----------------------|---|
| Personal Precautions | Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. |
| Emergency Procedures | Keep unauthorized personnel away. |

6.2 Environmental Precautions

Not available

6.3 Methods and Material for Containment and Cleaning Up

| | |
|-------------------------------|--|
| Containment/Clean-up Measures | Large spills: Absorb with earth, sand or other non-combustible material and dispose of as a solid waste. Small spills: Flush to industrial sewer. |
| Prohibited Materials | None known |

6.4 Reference to Other Sections

None

Section 7 – Handling and Storage

7.1 Environmental Precautions

| | |
|----------|---|
| Handling | Use good safety and industrial hygiene practices. |
|----------|---|

7.2 Conditions for Safe Storage, Including and Incompatibilities

| | |
|--|--|
| Storage | Keep container closed when not in use. Store in a cool, dry place. |
| Special Packaging Materials | None known |
| Incompatible Materials or Ignition Sources | Strong oxidizers |

7.3 Specific End Use (s)

None

Section 8 – Exposure Controls/Personal Protection

8.1 Control Parameters

None established

8.2 Exposure Controls

| | |
|-------------------------------|---|
| Engineering Measures/Controls | Ventilation not required under normal use. Misting operations may require adequate ventilation. |
|-------------------------------|---|

Personal Protective Equipment Pictograms



| | |
|-------------|--|
| Respiratory | No special protection required under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. |
| Eye/Face | Wear safety goggles. |

| | |
|----------------------------|--|
| Hands | Wear appropriate gloves. |
| Skin/Body | Wear protective clothing. |
| General Industrial Hygiene | |
| Considerations | Do not get in eyes or on skin or clothing. Handle in accordance with good industrial hygiene and safety practice. Eyewash and safety showers should be available in the work area. |

Section 9 – Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

| | |
|------------------------|-------------------------------|
| Physical Form | Liquid |
| Appearance/Description | Clear, yellow viscous liquid. |

| | | | |
|--|-------------------------|--|----------------------------------|
| Color: Clear/yellow | | Odor: Not measurable/relevant | |
| Taste: Not measurable/relevant | | Odor Threshold: Not measurable/relevant | |
| Boiling Point | > 100 C (> 212F) | Vapor Pressure | Not measurable/relevant |
| Melting Point | Not measurable/relevant | Vapor Density | Not measurable/relevant |
| Specific Gravity | 1.13 | Evaporation Rate | Not measurable/relevant |
| Density | 9.4299 lbs/gal | VOC (Wt) | Not measurable/relevant |
| Bulk Density | Not measurable/relevant | VOC (Vol) | Not measurable/relevant |
| pH (10% solution) | 6 to 8 | Volatiles (Wt.) | Not measurable/relevant |
| Water solubility | soluble | Volatiles (Vol.) | Not measurable/relevant |
| Solvent Solubility | Not measurable/relevant | Flash Point | > 200 F (> 93.33 C) |
| Viscosity | Not measurable/relevant | Flash Point Test Type | PMCC (Pensky-Martins Closed Cup) |
| Half-Life | Not measurable/relevant | UEL | Not measurable/relevant |
| Octanol/Water Partition Coefficient | Not measurable/relevant | LEL | Not measurable/relevant |
| Coefficient of water/oil distribution | Not measurable/relevant | Autoignition | Not measurable/relevant |
| Bioaccumulation factor | Not measurable/relevant | Bioaccumulation Factor | Not measurable/relevant |
| Biochemical Oxygen Deman BOD/BOD5 | Not measurable/relevant | Chemical Oxygen Demand | Not measurable/relevant |
| Persistence | Not measurable/relevant | Degradation | Ready |

9.2 Other Information

None

Section 10 – Stability and Reactivity

10.1 Reactivity

Not relevant / none

10.2 Chemical Stability

Stable under normal temperatures and pressures.

10.3 Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

10.4 Condition (s) to Avoid

Excess heat

10.5 Incompatible Materials

Strong oxidizers

10.6 Hazardous Decomposition Products

Oxides of carbon, oxides of sulfur

Section 11 – Toxicological Information

11.1 Information on Toxicological Effects

| Suga®Nate 160 | | | | | | | | | |
|----------------|--------|-------|------------------|-------------------------------|----------|---------|----------------------------|---------------|---|
| Test Type | Dosage | Units | Route | Species | Duration | Results | Test Class | Target Organs | Comments |
| Irritation | | | Eye | Species Unspecified | NDA | NDA | Essentially non-irritating | NDA | HET-CAM (5% Solution) / Score: 0.0 |
| Irritation | | | Skin | Human | 48 Hours | NDA | Essentially non-irritating | NDA | 53/53 participants showed no visible skin reaction |
| Irritation | | | Eye | Species Unspecified | NDA | NDA | Essentially non-irritating | NDA | MatTek Epi-Ocular: <i>In vitro</i> epidermal keratinocytes. Results indicate a non-irritating classification; Draize score of zero. |
| Mutagen | | | Unreported Route | <i>Salmonella typhimurium</i> | NDA | NDA | Negative | NDA | NDA |
| Acute Toxicity | > 2 | g/kg | Ingestion/Oral | Rat, adult female | NDA | LD50 | NDA | NDA | All animals survived without any signs of toxicity. Upon necropsy no gross changes were observed in any of the animals. |

| GHS Properties | Classification |
|--|--|
| Acute toxicity - oral | EU/CLP: Classification criteria not met UN GHS: Classification criteria not met |
| Acute toxicity - dermal | EU/CLP: Data lacking UN GHS: Data lacking |
| Acute toxicity - inhalation | EU/CLP: Data lacking UN GHS: Data lacking |
| Skin corrosion/Irritation | EU/CLP: Classification criteria not met UN GHS: Classification criteria not met |
| Serious eye damage/Irritation | EU/CLP: Classification criteria not met UN GHS: Classification criteria not met |
| Skin sensitization | EU/CLP: Classification criteria not met UN GHS: Classification criteria not met |
| Respiratory sensitization | EU/CLP: Data lacking UN GHS: Data lacking |
| Aspiration Hazard | EU/CLP: Data lacking UN GHS: Data lacking |
| Carcinogenicity | EU/CLP: Data lacking UN GHS: Data lacking |
| Germ cell mutagenicity | EU/CLP: Classification criteria not met UN GHS: Classification criteria not met |
| Toxicity for reproduction/fertility | EU/CLP: Data lacking UN GHS: Data lacking |
| Toxicity for reproduction/developmental | EU/CLP: Data lacking UN GHS: Data lacking |
| Effects on lactation | EU/CLP: Data lacking UN GHS: Data lacking |
| STOT-SE | EU/CLP: Classification criteria not met UN GHS: Classification criteria not met |
| STOT-RE | EU/CLP: Classification criteria not met UN GHS: Classification criteria not met |

Rout of Entry

Skin, eye

Medical Conditions Aggravated by
Exposure

Not Available

Potential Health Effects

Inhalation

Acute (Immediate)

Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

No data available.

Skin

| | | |
|-----------|-------------------|--|
| | Acute (Immediate) | Under normal conditions of use, no health effects are expected. |
| | Chronic (Delayed) | No data available. |
| Eye | Acute (Immediate) | Under normal conditions of use, no health effects are expected. |
| | Chronic (Delayed) | No data available. |
| Ingestion | Acute (Immediate) | Under normal conditions of use, no health effects are expected. If small amounts are ingested (by transfer from fingers to mouth) no health effects are expected. |
| | Chronic (Delayed) | No data available. |

Section 12 – Ecological Information

12.1 Toxicity

| Suga®Nate 160 | | | | | | |
|---------------|-------|-----------|---|----------|---------|----------|
| Dosage | Units | Species | Species Description | Duration | Results | Comments |
| 16.3 | mg/L | Crustacea | <i>Ceriodaphnia dubia</i> | 48 hours | NDA | EC50 |
| 52.9 | mg/L | Algae | <i>Selenastrum capricornutum</i> | 72 hours | NDA | IC50 |
| 27.3 | mg/L | Fish | <i>Melantaenia splendida</i> (Eastern Rainbow Fish) | 96 hours | NDA | EC50 |

12.2 Persistence and Degradability

The product achieved 80 – 82% biodegradability and exceeded the 70% biodegradability requirement for ready degradability of a single organic substance or natural product when tested according to AS4351 Part 2.

12.3 Bioaccumulation Potential

No data found for product.

12.4 Mobility in Soil

No data found for product.

12.5 Results of PBT and vPvB Assessment

No data found for product.

12.6 Other adverse Effects

Ecological Fate No data found for product.

Section 13 – Disposal Considerations

13.1 Waste Treatment Methods

Product Waste Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging Waste No data available

Section 14 – Transportation Information

According to:

US DOT; Canada TDG; IMO/IMDG; AND; ADR/RID; IATA/ICAO

14.1 UN Number: Not regulated

14.2 UN Proper Shipping Name: Not regulated**14.3 Transport Hazard Class(es):** Not regulated**14.4 Packing Group:** Not regulated**14.5 Environmental Hazards:** None**14.6 Special Precautions for User:** None**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC****Code:** Not regulated**14.8 Other information:** None

Key to Abbreviations:

DOT = United States – Department of Transportation

TDG = Canada – Transport of Dangerous Goods

IMO/IMDG = International Maritime Transport

ADN = Europe Transport of Dangerous Goods by Road/Inland Waterway

IATA = International Air Transport Association

ICAO = International Civil Aviation Organization

ADR = Europe Transport of Dangerous Goods by Road/Inland Waterway

RID = Europe Transport of Dangerous Goods by Railways

Section 15– Regulatory Information**15.1 Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture**

SARA Hazard Classifications None

| State Right To Know | | | | |
|--|-------------|----|----|----|
| Component | CAS | MA | NJ | PA |
| Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | No | No | No |

| Inventory | | | | | | |
|--|-------------|------------|-------------|-------|-----------|-----------|
| Component | CAS | Canada DSL | Canada NDSL | China | EU EINECS | EU ELNICS |
| Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | Yes | No | No | No | No |
| Inventory (Continued) | | | | | | |
| Component | CAS | Japan ENCS | Korea ECL | TSCA | | |
| Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | No | No | Yes | | |

Canada

| | | | |
|--|-------------|-----|------------|
| Labor | | | |
| Canada - WHMIS - Ingredient Disclosure List | | | |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |

| | | | |
|--|-------------|-----|------------|
| Environment | | | |
| Canada - CEPA - Priority Substance List | | | |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |

Europe

| | | | |
|---|-------------|-----|------------|
| Other | | | |
| EU - CLP (1272/2008 - Annex VI - Table 3.2 - Classification) | | | |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| EU - CLP (1272/2008 - Annex VI - Table 3.2 - Concentration Limits) | | | |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| EU - CLP (1272/2008 - Annex VI - Table 3.2 - Labeling) | | | |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| EU - CLP (1272/2008 - Annex VI - Table 3.2 - Notes - Substances and Preparations) | | | |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| EU - CLP (1272/2008 - Annex VI - Table 3.2 - Safety Phrases) | | | |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |

United States

| | | | |
|--|-------------|-----|------------|
| Labor | | | |
| U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals | | | |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| U.S. - OSHA - Specifically Regulated Chemicals | | | |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |

| Environment | | | | |
|-------------|--|-------------|-----|------------|
| U.S. - | CAA (Clean Air Act) - 1990 Hazardous Air Pollutants | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| U.S. - | CERCLA/SARA - Hazardous Substances and Their Reportable Quantities | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| U.S. - | CERCLA/SARA - Radionuclides and Their Reportable Quantities | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| U.S. - | CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| U.S. - | CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| U.S. - | CERCLA/SARA - Section 313 - Emission Reporting | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| U.S. - | CERCLA/SARA - Section 313 - PBT Chemical Listing | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |

United States - California

| Environment | | | | |
|---------------------|--|-------------|-----|------------|
| U.S. - California - | Proposition 65 - Carcinogens List | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| U.S. - California - | Proposition 65 - Developmental Toxicity | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |
| U.S. - California - | Proposition 65 - Reproductive Toxicity - Female | | | |
| | • Sodium Laurylglucosides Hydroxypropylsulfonate | 742087-49-6 | 37% | Not Listed |

| | | | | |
|--|------------------------------|---------|-----|------------|
| U.S. - California - Proposition 65 - | Reproductive Toxicity - Male | 742087- | | Not Listed |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | | 49-6 | 37% | |

United States - Massachusetts**United States - New Jersey****United States - Pennsylvania**

| | | | | |
|--|------------------------------|---------|-----|------------|
| Labor | | | | |
| U.S. - Pennsylvania - RTK (Right to Know) - | Environmental Hazard List | 742087- | | Not Listed |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | | 49-6 | 37% | |
| U.S. - Pennsylvania - RTK (Right to Know) - | | | | |
| | Special Hazardous Substances | 742087- | | Not Listed |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | | 49-6 | 37% | |

United States - Rhode Island

| | | | | |
|--|--|---------|-----|------------|
| Labor | | | | |
| U.S. - Rhode Island - Hazardous Substance List | | 742087- | | Not Listed |
| • Sodium Laurylglucosides Hydroxypropylsulfonate | | 49-6 | 37% | |

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out.

Section 16– Other Information

| | |
|-----------------------------------|---|
| Phrases | Refer to Section 2 |
| Last Revision Date | 05/20/2011 |
| Preparation Date | 05/20/2011 |
| Disclaimer/Statement of Liability | The above data is for information purposes and it accurate to the best of Colonial Chemical, Inc.'s knowledge. No guarantees or liabilities are expressed or implied. Colonial Chemical, Inc. assigned NFPA ratings to the product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, they must ensure that the proper personal protective equipment (PPE) is provided consistent with the information contained in the product MSDS. The information is intended solely for the use of individuals trained in the particular hazard rating system. |

Key to Abbreviations

CAS = Chemical Abstract Services

EINECS = European Inventory of Existing Chemical Substances

LD = Lethal Dose

LC = Lethal Concentration

DSD = Dangerous Substances Directive (EU Directive 67/54/EEC)

DPD = Dangerous Preparations Directive (EU Directive 1999/45/EC)

EU CLP = EU Directive 1272/2008

UN GHS = United Nations Globally Harmonized System of Classification and Labeling of Chemicals.