

SECTION 1 - IDENTIFICATION	
Product identifier:	DISH & HAND SOAP PURENATURE
Product code:	
Recommended use:	Soap
Chemical group:	Mixture
Supplier identifier:	TOTAL FABRICATION 511 Route 289 St-Alexandre-de-Kamouraska, Qc G0L 2G0 (418) 970-0889
Emergency phone:	Canutec (613) 996-6666 24 hrs

SECTION 2 - HAZARD IDENTIFICATION		
Classification	Eye irritation 2B	
Signal word	CAUTION	
Hazard statement	H320	Causes eye irritation.
Precautionary statement - Prevention	P264	Wash hands thoroughly after handling.
Precautionary statement - Response	P305+P351+P338 P337+P313	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.
Precautionary statement - Storage		
Precautionary statement - Elimination	P501	Dispose contents/containers according to municipal, provincial and federal regulations.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	CAS	% (weight)
Sulfonic acid	27176-87-0	5 – 10 *
(C10-C16) Alcohol ethoxylate, sulfated, sodium salt	68585-34-2	1 – 5 *
Sodium hydroxyde	1310-73-2	1 – 5 *

*TRADE SECRET STATEMENT: The exact concentration of composition has been withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES	
Inhalation:	IF INHALED: remover person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CONTROL CENTER or physician.
Skin contact:	IF ON SKIN: Take off all contaminated clothing. Rinse skin with water for 20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing/ jewellery and wash it before reuse.
Eye contact:	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:	NEVER give anything orally if victim is losing consciousness, is unconscious or having convulsions. Rinse mouth with water thoroughly. DO NOT INDUCE VOMITING. Ask victim to drink two glasses of water. If vomiting occurs naturally, lean victim forward to reduce risks of aspiration. Continue to drink water. Obtain medical care.
Note to physician:	Treat symptomatically.

SECTION 5 - FIRE-FIGHTING MEASURES	
Suitable extinguishing media:	Chemical foam, dry chemical powder, water spray, CO2.
Unsuitable extinguishing media:	Direct water jet will cause formation of foam.
Hazardous combustion products:	Carbon oxides, sulphur oxides, hydrogen sulfide, acrid smoke.
Protective equipment:	Fire-fighters must wear protective equipment and NIOSH approved self-contained breathing apparatus.
Precautions:	Retain water run-off. Prevent infiltration in sewers or waterways.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Protective equipment:

Wear appropriate respiratory equipment (See Section 8). Avoid direct contact with product. Remove non-essential personnel.

Containment and clean up:

Ventilate spill area. Stop spill if safe to do so. Contain and absorb with an inert absorbing material for future disposal (See Section 13). Prevent spill from entering sewers or waterways. Retain water run-off if applicable. Inform proper authorities if necessary.

Environmental precautions:

Avoid entering sewers, waterways or restricted areas. Eliminate according to municipal, provincial and federal regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:

Containers must be identified correctly. Handle in a well ventilated area. Avoid breathing dust, vapours or mists. Avoid contact with eyes, skin and clothes. Keep containers closed when not in use. Empty containers may contain residues and must be handled as hazardous waste. Maintain good personal hygiene before eating, drinking or smoking. Do not eat, drink or smoke while using the product or in proximity. Wash contaminated clothing before reuse.

Conditions for safe storage:

Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep containers closed.

Incompatible materials:

Strong oxidizing agents, acids, alkalis.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Ingredients	CAS	SOURCE	Values
Sulfonic acid	27176-87-0		No established limits
(C10-C16) Alcohol ethoxylate, sulfated, sodium salt	68585-34-2		No established limits
Sodium hydroxyde	1310-73-2	CNESST CNESST OSHA OSHA ACGIH	TWA 2 mg/m3 IDLH 10 mg/m3 TWA 2 mg/m3 IDLH 10 mg/m3 TWA 2 mg/m3

Engineering controls:

Local ventilation system is recommended to maintain concentrations of contaminants below exposure limits.

Protection of airways:

Respiratory protection is required if concentration are above exposure limits. Use a NIOSH approved autonomous respiratory apparatus if exposure limits are unknown.

Protective equipment and clothing:

Wear chemical / impermeable gloves or other protective clothing to prevent repeated or continuous contact with the skin during handling and usage. Wear goggles to prevent mist, vapours or dust to contact eyes. Insure that eyewash stations, showers and cleaning stations are near to work station.

General hygiene recommendations:

Avoid production of high concentrations of dust, vapours or mists. Avoid contact with skin and eyes. Avoid breathing dust, vapours or mists. Never eat, drink or smoke near work stations. Good hygiene is recommended after using this product. Clean clothing before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid, yellow, transparent
Odour:	Various aromas
Odour threshold:	Not available
pH (as is):	7.50 – 9.00
Melting point:	Not available
Initial boiling point:	Not available
Flash point:	Not applicable
Evaporation rate (butyl acetate = 1):	Not available

Flammability:	Not flammable
LIL:	Not applicable
UIL:	Not applicable
Vapour pressure:	Not available
Vapour density (air=1):	Not available
Relative density:	1.04 – 1.05
Solubility:	Soluble in water
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Volatiles:	Not available
Viscosity:	600 – 1200 cPs

SECTION 10 - STABILITY AND REACTIVITY

Stability and reactivity:	Stable under recommended conditions and expected usage.
Polymerisation:	No.
Conditions to avoid:	Contact with incompatible materials.
Incompatible materials:	Strong oxidizing agents, acids, alkalis.
Hazardous decomposition products:	Carbon oxides, sulphur oxides, hydrogen sulfide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data:				
Hazardous ingredient	CAS	%	DL ₅₀ (route, species)	CL ₅₀ (species)
Sulfonic acid	27176-87-0	5 – 10	500 – 2000 mg/kg (oral, rat) >2000 mg/kg (dermal, rabbit)	No data
(C10-C16) Alcohol ethoxylate, sulfated, sodium salt	68585-34-2	1 – 5	>2000 mg/kg (oral, rat) >2000 mg/kg (dermal, rabbit)	No data
Sodium hydroxyde	1310-73-2	1 – 5	500 mg/kg (dermal, rabbit)	No data
Short term exposure (acute):				
Inhalation:		No adverse effects reported.		
Skin:		No adverse effects reported.		
Eyes:		Causes slight eye irritation. Redness, pain, tearing.		
Ingestion:		Causes gastric distress if ingested in large quantities. Nausea, vomiting, diarrhea, abdominal pain.		
Long term exposure (chronic):				
Inhalation:		No data		
Skin:		No data		
Eyes:		No data		
Ingestion:		No data		
Carcinogenicity:		No data		
Teratogenicity:		No data		
Mutagenicity:		No data		
Target organ:		No data		
Conditions aggravated by exposure:		No data		

SECTION 12 - ECOLOGICAL INFORMATION

Hazardous ingredient	CAS	%	Value	Species
Sulfonic acid	27176-87-0	5 – 10	EC50 47.3 mg/L, 72h EC50 2.4 mg/L, 48h LC50 1.67 mg/L, 96h	Algea Daphnia Fish
(C10-C16) Alcohol ethoxylate, sulfated, sodium salt	68585-34-2	1 – 5		No data
Sodium hydroxyde	1310-73-2	1 – 5	LC50 1149 mg/L LC50 152 mg/L	Oncorhynchus mykiss Oncorhynchus tshawytsch

Persistence and degradability:	Not determined.
Bioaccumulation potential:	Not determined.
Mobility in soil:	Not determined.
Other adverse effects :	Not determined.

SECTION 13 - DISPOSAL CONSIDERATIONS

Safe handling for disposal:	Store materials for elimination and contaminated packaging as indicated in Section 7 Handling and Storage.
Methods of disposal:	Dispose contents/containers according to all municipal, provincial and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

UN Number	Proper shipping name	Class	Packing group	Placard
Not regulated for transport.				

SECTION 15 - REGULATORY INFORMATION

Canadian Environmental Protection Act (CEPA):	Components of this product are listed in the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL) or are exempt.
Others:	Components of this product are listed on the TSCA or are exempt.

SECTION 16 - OTHER INFORMATION

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Abbreviations:	
ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Service
CL / LC	Concentration létale /Lethal concentration
DL / LD	Dose létale / Lethal dose
IARC	International Agency for Research on Cancer
LES	Liste extérieure des substances (NDSL)
LIS	Liste intérieure des substances (DSL)
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
SIMDUT	Système d'information sur les matières dangereuses utilisées au travail
STEL	Short-term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
USEPA	United States Environmental Protection Agency
WHMIS	Workplace Hazardous Materials Information System
All information indicated in the present document are based on data supplied by recognized technical sources. While the information is believed to be accurate, the manufacturer makes no representations as to its accuracy or sufficiency. Users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.	