


1- IDENTIFICATION

IDENTIFIER	SOLU-NET-EXTRA
PRODUCT CODE	SNE-4
RECOMMENDED USE	Biotechnological all-purpose cleaner.
RESTRICTION ON USE	
SUPPLIER / MANUFACTURER	SOLUTIONS ENBIOTECH PLUS 60, Rue Beauvais Delson, Qc, J5B 1W8
EMERGENCY TELEPHONE	450-638-3344 Monday to Friday, 9h00 to 16h30

2 – HAZARD IDENTIFICATION

CLASSIFICATION	Skin irritation 3 Sensitization, skin 1B Eye irritation 2B	
LABEL ELEMENTS		
SIGNAL WORD	WARNING	
HAZARD STATEMENT	H316 H317 H320	Causes mild skin irritation. May cause an allergic skin reaction. Causes eye irritation.
PRECAUTIONARY STATEMENT - PREVENTION	P261 P272 P280 P264	Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.
PRECAUTIONARY STATEMENT - RESPONSE	P302+P352 P332+P313 P321 P362+P364 P305+P351+P338 P337+P313	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment: Wash with soap and water. Take off contaminated clothing and wash it before reuse. 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.
OTHER HAZARDS	Not applicable.	

3 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	C.A.S.	CONCENTRATION
Nonionic primary alcohol alkoxylate	37251-67-5	1 - 5 *
Monoalkyl (C10-C16) sulfate sodium salt	68585-47-7	1 - 5 *
Enzymes	Not available	1 - 5 *

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

4 – FIRST AID MEASURES

ROUTE OF EXPOSURE	Inhalation, eyes, skin, ingestion
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INHALATION	IF INHALED: Remove the person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call POISON CONTROL CENTRE or a physician.
DERMAL	IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
OCULAR	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.
ORAL	NEVER give anything orally if the 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 the victim forward to reduce risks of aspiration. Continue to drink water. Obtain medical care.
NOTE TO PHYSICIANS	Specific treatment: Treat symptomatically.

5 – FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	In case of fire: Use water spray, chemical foam, dry chemical powder, CO2 to extinguish.
UNSUITABLE EXTINGUISHING MEDIA	Direct water jet may cause formation of foam.
SPECIFIC HAZARDS	Carbon oxides, nitrogen oxides, acrid smoke.
PROTECTIVE EQUIPMENT	Fire-fighters must wear protective equipment and NIOSH approved self-contained breathing apparatus.
PRECAUTIONS	Do not let water run-off reach sewers, ditches or waterways.

6 – ACCIDENTAL RELEASE MEASURES

PROTECTIVE EQUIPMENT	Wear appropriate respiratory equipment (See Section 8). Avoid direct contact with the product. Remove nonessential 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.

7 – HANDLING AND STORAGE

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.
STORAGE	Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep containers closed.
INCOMPATIBLE MATERIALS	Oxidizing agents, acids, alkalis.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAME	C.A.S.	SOURCE	VALUE
Nonionic primary alcohol alkoxyate	37251-67-5		No established limits.
Monoalkyl (C10-C16) sulfate sodium salt	68585-47-7		No established limits.
Enzymes	Not available.		No established limits.

ENGINEERING CONTROLS	Use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels to an acceptable level.
RESPIRATORY PROTECTION	Maintain atmospheric concentrations below exposure limits. If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. In case of spill or leak resulting in unknown concentration, use a NIOSH approved supplied air respirator.
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. Ensure that eyewash stations, showers and cleaning stations are near to workstations.
OCULAR PROTECTION	Chemical goggles; also wear a face shield if splashing hazards exists.
GENERAL HYGIENE RECOMMENDATIONS	Ensure that eyewash stations and safety showers are proximal to the workstation location. 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 workstations. Good hygiene is recommended after using this product. Clean clothing before reuse.

9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid, translucent, green.
ODOUR	Mint.
ODOUR THRESHOLD	Not available.
pH	5.50 – 6.50
MELTING / FREEZING POINT	Not available
INITIAL BOILING POINT	Not available
FLASH POINT	>93°C

EVAPORATION RATE	Not available.
FLAMMABILITY	Not flammable.
LOWER FLAMMABLE/EXPLOSIVE LIMIT	Not applicable.
UPPER FLAMMABLE/EXPLOSIVE LIMIT	Not applicable.
VAPOUR PRESSURE	Not available.
VAPOUR DENSITY	Not available.
RELATIVE DENSITY	1.07
SOLUBILITY (in water)	Soluble.
PARTITION COEFFICIENT (n-octanol/water)	Not available.
AUTO-IGNITION TEMPERATURE	Not available.
DECOMPOSITION TEMPERATURE	Not available.
VOC	Not available.
VISCOSITY	<200cPs (Brookfield RV #4 à 20 rpm)

10 – STABILITY AND REACTIVITY

REACTIVITY	Stable under recommended usage.
CHEMICAL STABILITY	Stable under normal usage conditions.
HAZARDOUS REACTIONS	Polymerization will not occur.
CONDITIONS TO AVOID	Incompatible ingredients.
INCOMPATIBLE MATERIALS	Oxidizing agents, acids, alkalis.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon oxides, nitrogen oxides.
ADDITIONAL INFORMATION	None.

11 – TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	
INHALATION	No adverse effects reported.
DERMAL	Causes mild skin irritation. Redness, itching. May cause an allergic skin reaction.
OCULAR	Causes eye irritation. Redness, pain, tearing.
ORAL	Ingestion not likely in normal usage. Nausea, vomiting, irritation of digestive system, abdominal pain.
CHRONIC EFFECTS	
INHALATION	No data.
DERMAL	May cause contact allergy.
OCULAR	No data.
ORAL	No data.
ADDITIONAL INFORMATION	
CARCINOGENIC EFFECTS (IARC)	Not classified.
MUTAGENIC EFFECTS	No data.
TERATOGEN EFFECTS	No data.

REPRODUCTION	No data.
SENSIBILISATION	May cause an allergic skin reaction.
TARGET ORGANS	No data.
AGGRAVATED CONDITIONS	No data.
SYNERGISTIC SUBSTANCES	No data.

CHEMICAL NAME	C.A.S.	LD50 ORAL mg/kg	LD50 DERMAL mg/kg	LC50 INHALATION
Nonionic primary alcohol alkoxylate	37251-67-5	<5000, rat	No data.	No data.
Monoalkyl (C10-C16) sulfate sodium salt	68585-47-7	1200, rat	<2000, rabbit	No data.
Enzymes	Not available.	No data.	No data.	No data.

12 – ECOLOGICAL INFORMATION

Monoalkyl (C10-C16) sulfate sodium salt	68585-47-7
EC50 1.18 – 2.21 mg/L, 48h	Ceriodaphnia dubia
LC50 3.6 mg/L, 96h	Fish

PERSISTENCE AND DEGRADABILITY	Not available.
BIOACCUMULATIVE POTENTIAL	Not available.
SOIL MOBILITY	Not available.
OTHER ADVERSE EFFECTS	Not available.
ADDITIONAL INFORMATION	Do not let material or firefighting water run-off enter sewers or waterways. Obstruct drains and ditches. Affected areas must be cleaned and restored to their original conditions or to the satisfaction of the authorities.

13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD	Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.
CONTAMINATED PACKAGING	Empty containers should be recycled or disposed of through an approved waste management facility.

14 – TRANSPORT INFORMATION

TRANSPORT OF DANGEROUS GOODS (CANADA)
Not regulated for transport.

MARINE POLLUTANT	No.
SPECIAL PRECAUTIONS	None.

15 – REGULATORY INFORMATION

CANADA	
CEPA	All components of this product are either listed or exempt from listing on the Domestic substances List (DSL).
USA	
TSCA	All components of this product are either listed or exempt from listing on the Toxic Substances Control Act (TSCA) Inventory.

16 – OTHER INFORMATION

VERSION	2.1
DATE	May 5, 2021
PREPARED BY	SOLUTIONS ENBIOTECH PLUS. 60, rue Beauvais Delson, Qc J5B 1W8 (450) 638-3344
ABBREVIATIONS	ABBREVIATIONS
ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Service
CEPA	Canadian Environmental Protection Act
CIRC	Centre International pour la Recherche sur le Cancer
CL / LC	Concentration létale / Lethal concentration
DL / LD	Dose létale / Lethal dose
CE / EC	Concentration efficace / Effective concentration
IARC	International Agency for Research on Cancer
LCPE	Loi Canadienne sur la Protection de l'Environnement
LES/NDL	Liste extérieure des substances / Non-domestic substances list
LIS/DSL	Liste intérieure des substances / Domestic substances list
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
STOT	Specific target organ toxicity
TCOC	Toxicité pour certains organes cibles
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
USEPA	United States Environmental Protection Agency
VECD	Valeur exposition courte durée
VEMP	Valeur exposition moyenne pondérée
WHMIS	Workplace Hazardous Materials Information System

NOTICE TO READER

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