SAVONS ÉVY
Produits nettoyants de qualité

TILE-KLEEN

SECTION 1 - IDENTIFICATION	
Product identifier:	**TILE-KLEEN**
Product code:	
Recommended use:	Cleaner
Chemical group:	Mixture
Supplier identifier:	**SAVONS EVY** **3460 39e Avenue** **Montréal, QC** **H1A 3V1** **514-642-9920**
Emergency phone:	Canutec (613) 996-6666 24 hrs

SECTION 2 - HAZARD IDENTIFICATION		
Classification	Skin corrosion 1C Sensitisation, skin 1 Serious eye damage 1 Carcinogenicity 2	
Signal word	**DANGER**	
Hazard statement	H314 H317 H318 H351	Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Suspected of causing cancer.
Precautionary statement - Prevention	P201 P202 P260 P264 P272 P280	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement - Response	P301+P330+P331 P303+P361+P353 P363 P304+P340 P310 P305+P351+P338 P333+P313 P321 P362+P364 P308+P313	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: take off immediately all contaminated clothing. Rinse skin with water (or shower). Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment: Wash thoroughly with soap and water. Take off contaminated clothing and was it before reuse. IF exposed or concerned: Get medical advice/attention.
Precautionary statement - Storage	P405	Store locked up.
Precautionary statement - Elimination	P501	Dispose contents/containers according to municipal, provincial and federal regulations.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredient	**CAS**	**% (weight)**
2-Butoxyethanol	111-76-2	1 – 5 *
Tetrasodium ethylene diamine tetraacetate	64-02-8	1 – 5 *

Pine oil	8002-09-3	1 – 5 *
Potassium hydroxyde	1310-58-3	1 – 5 *
Cocamidopropyl betaine	68603-42-9	0.1 – 1.0 *

*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 as chemical burns.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media:	According to the conditions of the fire. Chemical foam, water spray, CO2, dry chemical powder.
Unsuitable extinguishing media:	Direct water jet may disperse the product and cause formation of foam.
Hazardous combustion products:	Carbon oxides, potassium oxides, nitrogen oxides, 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.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Ingredients	CAS	SOURCE	Values
2-Butoxyethanol	111-76-2	ACGIH OSHA NIOSH NIOSH CNESST CNESST	STEL 0.2 mg/m3 TWA 1 mg/m3 TWA 1 mg/m3 IDLH 15 mg/m3 TWA 1 mg/m3 STEL 3 mg/m3
Tetrasodium ethylene diamine tetraacetate	64-02-8		No established limits.
Pine oil	8002-09-3		No established limits.
Potassium hydroxyde	1310-58-3	CNESST	TWA 2 mg/m3
Cocamidopropyl betaine	68603-42-9		No established limits.

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:	Green liquid
Odour:	Slight
Odour threshold:	Not available
pH (14%):	10.0
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:	1.0 – 1.1
Solubility:	Soluble
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Volatiles:	Not available
Viscosity:	<100 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.

Hazardous decomposition products:	Carbon oxides, potassium oxides, nitrogen oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data:

Hazardous ingredient	CAS	%	DL_{50} (route, species)	CL_{50} (species)
2-Butoxyethanol	111-76-2	1 – 5	560 mg/kg (oral, rat) 400 mg/kg (dermal, rabbit)	450 ppm, 4 h, rat
Tetrasodium ethylene diamine tetraacetate	64-02-8	1 – 5	> 3030 mg/kg (oral, rat) > 5000 mg/kg (dermal, rabbit)	No data.
Pine oil	8002-09-3	1 – 5	3200 mg/kg (oral, rat) 5000 mg/kg (dermal, rabbit)	> 3.79 mg/L, 4h (mist)
Potassium hydroxyde	1310-58-3	1 – 5	273 mg/kg (oral, rat)	No data.
Cocamidopropyl betaine	68603-42-9	0.1 – 1.0	> 2000 mg/kg (oral, rat) > 2000 mg/kg (dermal, rabbit)	No data.

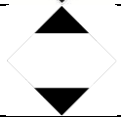
Short term exposure (acute):			
Inhalation:	Mist may irritate respiratory tract.		
Skin:	Causes severe skin damage. Redness, pain, itching, blisters.		
Eyes:	Causes serious eye damage. Pain, redness, tearing. May cause irreversible damage to cornea.		
Ingestion:	May cause burns of the mouth, throat and digestive system. Nausea, vomoniting, abdominal pain, diarrhoea.		
Long term exposure (chronic):			
Inhalation:	No data.		
Skin:	May cause skin sensibilisation, contact dermatitis.		
Eyes:	No data.		
Ingestion:	No data.		
Carcinogenicity:	2-Butoxyethanol	111-76-2	Group 3: Not classifiable as to its carcinogenicity to humans.
	Cocamidopropyl betaine	68603-42-9	Group 2B: Possibly carcinogenic to humans.
Teratogenicity:	No data.		
Mutagenicity:	No data.		
Target organ:	Skin.		
Conditions aggravated by exposure:	Contact dermatitis.		

SECTION 12 - ECOLOGICAL INFORMATION

Hazardous ingredient	CAS	%	Value	Species
2-Butoxyethanol	111-76-2	1 – 5	LC50 1490 mg/L, 96h, static LC50 2950 mg/L, 96h LC50 1474 mg/L, 96 h, static EC50 1800 mg/L, 48 h, static EC50 977 mg/L, 72 h, static	Lepomis macrochirus Lepomis macrochirus Oncorhynchus mykiss Daphnia magna Pseudokirchniella subcapitata
Tetrasodium ethylene diamine tetraacetate	64-02-8	1 – 5	LC50 41 mg/L, LC50 59.8 mg/L EC50 1.01 mg/L	Lepomis macrochirus Pimephales promelas Scenedesmus subspicatus
Pine oil	8002-09-3	1 – 5	EC50 17 – 28 mg/L, 48h	Daphnia magna
Potassium hydroxyde	1310-58-3	1 – 5	LC50 80 mg/L, 96h	Gambusia affinis
Cocamidopropyl betaine	68603-42-9	0.1 – 1.0	No data.	

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**
UN1760	CORROSIVE LIQUID N.O.S. (Potassium hydroxide)	8	III	
Limited quantity:	5 L			
Special precautions:	No.			
Environmental dangers:	No.			

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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Date:	23 November 2018
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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.