SECTION 1 - IDENTIFICATION

Product identifier:	**SUPER ACTIF**
Product code:	
Recommended use:	
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	Corrosive to metals 1 Skin corrosion 1 Serious eye damage 1	
Signal word	**DANGER**	
Hazard statement	H290	May be corrosive to metals.
	H314	Causes severe skin burns and eye damage.
	H318	Causes serious eye damage.
Precautionary statement - Prevention	P234	Keep only in original packaging.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P264	Wash hands thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement - Response	P390	Absorb spillage to prevent material damage.
	P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+P361+P353	IF ON SKIN: take off immediately all contaminated clothing. Rinse skin with water (or shower).
	P363	Wash contaminated clothing before reuse.
	P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P310	Immediately call a POISON CENTER/doctor.
	P321	Specific treatment:
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Precautionary statement - Storage	P406	Store in a corrosion resistant container or with a resistant inner liner.
	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)
Ethoxylated C12 – C14 alcohol	68439-50-9	5 – 10 *
Sodium metasilicate	6834-92-0	3 – 7 *
Tetrasodium ethylene diamine tetraacetate	64-02-8	1 – 5 *
Quaternary amine	68478-94-4	1 – 5 *
Isopropyl alcohol	67-63-0	0.5 – 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 as chemical burns.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Use water spray, CO2, chemical foam to extinguish.
Unsuitable extinguishing media:	Direct water jet may disperse product and cause formation of foam.
Hazardous combustion products :	Carbon 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. Water runoff may be highly alkaline.

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 :

Acids, strong oxidizing agents, aluminum, tin, lead and zinc.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Ingredients	CAS	SOURCE	Values
Ethoxylated C12 – C14 alcohol	68439-50-9		No established limits.
Sodium metasilicate	6834-92-0		No established limits.
Tetrasodium ethylene diamine tetraacetate	64-02-8	OSHA OSHA	TWA 15 mg/m3 (particules) TWA 5 mg/m3 (respirable)
Quaternary amine	68478-94-4		No established limits.

Isopropyl alcohol	67-63-0	ACGIH ACGIH OSHA OSHA NIOSH NIOSH NIOSH CNESST CNESST	TWA 200 ppm STEL 400 ppm TWA 400 ppm (980 mg/m3) STEL 500 ppm (1225 mg/m3) TWA 400 ppm (980 mg/m3) STEL 500 ppm (1225 mg/m3) IDLH 2000 ppm TWA 400 ppm (980 mg/m3) STEL 500 ppm (1225 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:	Liquid, transparent, rouge
Odour :	Acrid
Odour threshold:	Not available
pH (as is):	> 12.0
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:	0.99
Solubility:	Soluble
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Volatiles:	Not available
Viscosity:	Not available

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 :	Acids, strong oxidizing agents, aluminum, tin, lead and zinc.
Hazardous decomposition products :	Carbon oxides, nitrogen oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data:

Hazardous ingredient	CAS	%	DL_{50} (route, species)	CL_{50} (species)
Ethoxylated C12 – C14 alcohol	68439-50-9	5 – 10	>2000 mg (oral, rat) >2000 mg (dermal, rat)	>20 mg/L, vapour >5 mg/L, mist
Sodium metasilicate	6834-92-0	3 – 7	1152 – 1349 mg/kg (oral, rat) >5000 mg/kg (dermal, rat)	>2060 mg/m3, rat
Tetrasodium ethylene diamine tetraacetate	64-02-8	1 – 5	> 3030 mg/kg (oral, rat) > 5000 mg/kg (dermal, rabbit)	No data.
Quaternary amine	68478-94-4	1 – 5	No data.	No data.
Isopropyl alcohol	67-63-0	0.5 – 1.5	5045 mg/kg (oral, rat) 12800 mg/kg (dermal,rabbit)	16970 ppm, 4h, rat

Short term exposure (acute) :

Inhalation:	Irritation respiratory tract.
Skin:	Skin irritation, chemical burns. Drying of the skin.
Eyes:	Irritation, severe burns, possible damage to cornea.
Ingestion:	Burn, irritation of mouth, throat, and digestive tract. Nausea, gastric distress.

Long term exposure (chronic) :

Inhalation:	May cause sensitivity in certain persons.
Skin:	Irritation, chemical burns.
Eyes:	Irritation, severe burns, possible damage to cornea.
Ingestion:	Not available

Carcinogenicity :	Isopropyl alcohol	67-63-0	Group 3: Not classifiable as to its carcinogenicity to humans.

Teratogenicity:	Not available
Mutagenicity:	Not available
Target organ:	Respiratory tract system during repeated or long-term exposures.
Conditions aggravated by exposure :	Not available

SECTION 12 - ECOLOGICAL INFORMATION

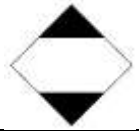
Hazardous ingredient	CAS	%	Value	Species
Ethoxylated C12 – C14 alcohol	68439-50-9	5 – 10	LC50 1 – 10 mg/L EC50 0.1 – 1 mg/L EC50 0.1 – 1 mg/L EC0 >100 mg/L	Brachydanio rerio Daphnia magna Scenedesmus subspicatus Bacterium
Sodium metasilicate	6834-92-0	3 – 7	LC50 210 mg/L, 96h EC501 1700 mg/L, 48h	Danio rerio Daphnia magna
Tetrasodium ethylene diamine tetraacetate	64-02-8	1 – 5	LC50 41 mg/L, LC50 59.8 mg/L LC50 1.01 mg/L	Lepomis macrochirus Pimephales promelas Scenedesmus subspicatus
Quaternary amine	68478-94-4	1 – 5	No data	
Isopropyl alcohol	67-63-0	0.5 – 1.5	LC50 9640 mg/L, 96h, dynamic LC50 11130 mg/L, 96h, static LC50 >140 mg/L, 96h EC50 >1000 mg/L, 96h EC50 >1000 mg/L, 72h	Pimephales promelas Pimephales promelas Lepomis macrochirus Desmodesmus subspicatus Desmodesmus subspicatus

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. (Sodium metasilicate)	8	III	
Limited quantity	5 L			
Special precautions:	None			
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 :	July 30, 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.