

Material Safety Data Sheet

Super Actif

1 . Product and company identification

Common name : Super Actif
Material uses : Car cleaner.
Supplier/Manufacturer : Les Savons Evy Inc.
 3460, 39th Avenue
 Montreal, QC, H1A 3V1
 Tel : (514) 642-9920
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In case of emergency : CANUTEC (613) 996-6666
MSDS authored by: : Kemika XXI Inc. + 1-450-435-7475

2 . Hazards identification

Physical state : Liquid. (Clear.)
Odor : Slight.
Color : Red.
Hazard status : This material is classified hazardous under the WHMIS Controlled Product Regulation in Canada.
Emergency overview : DANGER !
 CAUSES RESPIRATORY TRACT, EYE AND SKIN BURNS.
 MAY CAUSE ALLERGIC SKIN REACTION.
 MAY BE HARMFUL IF SWALLOWED.
 Do not ingest. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Routes of entry : Dermal contact. Eye contact. Inhalation. Ingestion.
Potential acute health effects
Eyes : Corrosive to eyes.
Skin : Corrosive to the skin. May cause sensitization by skin contact.
Inhalation : Corrosive to the respiratory system.
Ingestion : May cause burns to mouth, throat and stomach. May be harmful if swallowed.
Potential chronic health effects : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
 Mutagenic effects: Not available.
 Teratogenic effects: Not available.
Medical conditions aggravated by over-exposure : Repeated skin exposure can produce local skin destruction or dermatitis. Repeated or prolonged exposure to the substance can produce lung damage. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.
See toxicological information (section 11)

3 . Composition/information on ingredients

Canada			
Name	CAS number	%	
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	34398-01-1	5 - 10	
Disodium metasilicate	6834-92-0	1 - 5	
Tetrasodium EDTA	64-02-8	1 - 5	

4 . First aid measures

- Eye contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 20 minutes. Get medical attention immediately.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- Notes to physician** : No specific antidote. Medical staff must contact Poison Control Center.

5 . Fire-fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Products of combustion** : These products are carbon oxides, nitrogen oxides, sulfur oxides. Some metallic oxides.
- Extinguishing media**
- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
 - Not suitable** : None known.
- Special exposure hazards** : No specific hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6 . Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
- Environmental precautions** : Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7 . Handling and storage

- Handling** : Do not ingest. Do not get in eyes or on skin or clothing. Keep container closed. Use only with adequate ventilation. Do not breathe vapor or mist. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 . Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

- Engineering measures** : Use only with adequate ventilation. If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
- Personal protection**
- Eyes** : Face shield.
 - Skin** : Synthetic apron.
 - Respiratory** : Not required if handled in a ventilated enclosure.
 - Hands** : Nitrile gloves.



HMIS Code/Personal protective equipment : D

Personal protection in case of a large spill : Safety glasses, goggles or face shield. Impervious gloves. Full suit. Boots. Wear NIOSH-approved self-contained breathing apparatus or equivalent and full protective gear. Wash hands, forearms and face thoroughly after handling compounds and before eating, smoking and using the lavatory and at the end of the day. Follow good industrial hygiene practice.

9 . Physical and chemical properties

Physical state : Liquid. (Clear.)
Flash point : Closed cup: >94°C (201.2°F).(Tagliabue.)
Color : Red.
Odor : Slight.
pH : 12.9 [Basic.] and pH (2% v/v) = 11.4
Boiling/condensation point : Weighted average: 106.98°C (224.6°F)
Melting/freezing point : Weighted average: 3.54°C (38.4°F)
Relative density : 1.07 (Water = 1)
Vapor pressure : Weighted average: 2.09 kPa (15.68 mm Hg) (at 20°C)
Vapor density : Weighted average: 2.02 (Air = 1)
Evaporation rate : 0.36 (Water) compared with Butyl acetate.
Viscosity : Kinematic: The highest known value is 31 cSt (Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-)
Solubility : Easily soluble in cold water, hot water, methanol, acetone.

10 . Stability and reactivity

Stability and reactivity : The product is stable.
Incompatibility with various substances : Reactive with oxidizing materials and acids.
Hazardous polymerization : Will not occur.
Conditions of reactivity : Slightly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge.
 Non-flammable in the presence of the following materials or conditions: heat.

11 . Toxicological information

Product/ingredient name	Toxicity data		Route	Species
	Test	Result		
Disodium metasilicate	LD50	1153 mg/kg	Oral	Rat
	LD50	770 mg/kg	Oral	Mouse

Acute Effects

Eyes : Corrosive to eyes.
Skin : Corrosive to the skin. May cause sensitization by skin contact.
Inhalation : Corrosive to the respiratory system.
Ingestion : May cause burns to mouth, throat and stomach. May be harmful if swallowed.

Potential chronic health effects : Carcinogenic effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
 Mutagenic effects: Not available.
 Teratogenic effects: Not available.

12 . Ecological information

Ecotoxicity data

Product/ingredient name	Species	Period	Result
Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy-	Daphnia magna (EC50)	48 hour(s)	2.1 mg/l
	Daphnia magna (EC50)	48 hour(s)	6.7 mg/l
	Pimephales promelas (LC50)	96 hour(s)	3.9 mg/l
	Pimephales promelas (LC50)	96 hour(s)	7.1 mg/l
Tetrasodium EDTA	Lepomis macrochirus (LC50)	96 hour(s)	486 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	1030 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	2070 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	3092 mg/l

Environmental precautions : No known significant effects or critical hazards.

Products of degradation : These products are carbon oxides and water, nitrogen oxides, sulfur oxides. Some metallic oxides.

Toxicity of the products of biodegradation : The products of degradation are less toxic than the product itself.

13 . Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements.

14 . Transport information

Regulatory information

UN/ IMDG/IATA/ TDG : Not regulated.

15 . Regulatory information

Canada

WHMIS (Canada) : Class E: Corrosive material



DSL : All components listed.

This product has been classified in accordance with the hazard criteria of the Canadian CPR. This MSDS contains all the information required by the CPR.

International lists : This product, (and its ingredients) is (are) listed on national inventories, or is (are) exempted from being listed, Australia (AICS), in Europe (EINECS/ELINCS), in Korea (TCCL), in Japan (METI), in the Philippines (RA6969).

16 . Other information

Hazardous Material Information System

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HMIS RATING

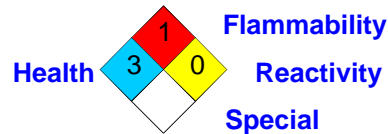
Health	3
Fire hazard	1
Physical Hazard	0
Personal protection	D

HAZARD RATINGS

4- Extreme
 3- Serious
 2- Moderate
 1- Slight
 0- Minimal
 See section 8 for more detailed information on personal protection.

National Fire Protection Association (U.S.A.)

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References

: ANSI Z400.1, MSDS Standard, 2004. - Manufacturer's Material Safety Data Sheet. - Canada Gazette Part II, Vol. 122, No. 2. Registration SOR/88-64, 31 December 1987. Hazardous Products Act "Ingredient Disclosure List" - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005.

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Version

: 1

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.