



Pour faire durer
les bonnes choses^{MD}

WASHING MACHINE CLEANER

SECTION 1 - IDENTIFICATION	
Product identifier:	WASHING MACHINE CLEANER
Product code:	
Recommended use:	Cleaner for washing machine
Chemical name:	Mixture.
Manufactured for:	COMERCO SERVICES INC. 3300 Boul. Saint-Martin O. # 300 Laval, Qc, H7T 1A1 (450) 682-9900
Emergency phone:	Canutec (613) 996-6666 24 hrs

SECTION 2 - HAZARD IDENTIFICATION		
Classification	Skin corrosion 1 Severe eye damage 1 Carcinogenicity 1A	
Signal word	DANGER	
Hazard statement	H314 H318 H350	Causes severe skin burns and eye damage. Causes serious eye damage. May cause cancer.
Precautionary statement - Prevention	P201 P202 P260 P264 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. Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statement - Response	P301+P330+P331 P303+P361+P353 P363 P304+P340 P310 P321 P305+P351+P338 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. Specific treatment: Treat as chemical burns. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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)
Hydrogen peroxyde	7722-84-1	3 – 7 *
Alkyl(C10-16)benzenesulfonic acid	68584-22-5	1 – 5 *
Alcohols, C12-16, ethoxylated	68551-12-2	1 – 5 *
Sulphuric acid	7664-93-9	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:	



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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:	Water spray.
Unsuitable extinguishing media:	Direct water jet may disperse product.
Hazardous combustion products:	Carbon oxides, phosphate compounds, oxygen, 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. Protect from day light. 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:	Organic materials or easily oxidizable; certain metals and their respective salts such as iron, copper, chromium, zinc, manganese and silver (a reaction that releases oxygen and heat); other reducing agents, strong acids; the strong bases.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Ingredients	CAS	SOURCE	Values
Hydrogen peroxyde	7722-84-1	NIOSH NIOSH OSHA CSST	TWA 1ppm (1.4 mg/m ³) IDLH 75 ppm TWA 1ppm (1.4 mg/m ³) TWA 1ppm (1.4 mg/m ³)
Alkyl(C10-16)benzenesulfonic acid	68584-22-5		No established limits.
Alcohols, C12-16, ethoxylated	68551-12-2		No established limits.
Sulphuric acid	7664-93-9	ACGIH OSHA NIOSH NIOSH CNESST CNESST	TLV 0.2 mg/m ³ TWA 1 mg/m ³ TWA 1 mg/m ³ IDLH 15 mg/m ³ TWA 1 mg/m ³ STEL 3 mg/m ³



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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:	Transparent liquid, blue.
Odour:	Slight.
Odour threshold:	Not available.
pH:	2.3 – 2.8
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
Solubility:	Soluble.
Partition coefficient (n-octanol/water):	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Volatiles:	Not available.
Viscosity:	200 cPs

SECTION 10 - STABILITY AND REACTIVITY

Stability and reactivity:	The product can decompose violently in the presence of impurities; heat or light accelerates the reaction.
Polymerisation:	No.
Conditions to avoid:	Contact with incompatible materials. Excessive heat, light.
Incompatible materials:	Organic materials or easily oxidizable; certain metals and their respective salts such as iron, copper, chromium, zinc, manganese and silver (a reaction that releases oxygen and heat); other reducing agents, strong acids; the strong bases.
Hazardous decomposition products:	Carbon oxides, phosphate compounds, oxygen.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data:				
Hazardous ingredient	CAS	%	DL ₅₀ (route, species)	CL ₅₀ (species)
Hydrogen peroxyde	7722-84-1	3 – 7	1500 mg/kg, oral, rat 9200 mg/kg, dermal, rabbit	2000 mg/m ³ , 4h, rat
Alkyl(C10-16)benzenesulfonic acid	68584-22-5	1 – 5	500 – 2000 mg/kg, oral, rat >2000 mg/kg, dermal, rabbit	No data
Alcohols, C12-16, ethoxylated	68551-12-2	1 – 5	No data.	No data.



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Sulphuric acid	7664-93-9	1 – 5	2140 mg/kg (oral, rat)	225 mg/m3, 4h, rat
Short term exposure (acute):				
Inhalation:	Slight irritation of upper respiratory tract.			
Skin:	Causes severe skin burns. Redness, pain, lesions, blisters.			
Eyes:	Causes severe eye damage. Redness, pain, tearing, lesions to the cornea.			
Ingestion:	Sudden release of oxygen can cause distention of the esophagus and stomach causing internal bleeding.			
Long term exposure (chronic) :				
Inhalation:	No data.			
Skin:	No data.			
Eyes:	No data.			
Ingestion:	No data.			
Carcinogenicity:	Hydrogen peroxyde	7722-84-1	Group 3: Not classifiable as to its carcinogenicity to humans.	
	Sulphuric acid	7664-93-9	Group 1: Carcinogenic to humans.	
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
Hydrogen peroxyde	7722-84-1	3 – 7	LC50 3.7 – 160 mg/L, 72-96h LC50 0.85 mg/L, 72-96h EC50 2.4 mg/L, 48h	Algea Nitzschia closterium Daphnia pulex
Alkyl(C10-16)benzenesulfonic acid	68584-22-5	1 – 5	EC50 47.3 mg/L, 72h EC50 2.4 mg/L, 48h LC50 1.67 mg/L, 96h	Algea Daphnia Fish
Alcohols, C12-16, ethoxylated	68551-12-2	1 – 5	No data.	
Sulphuric acid	7664-93-9	1 – 5	LC50 42 mg/L, 96h EC50 29 mg/L, 24h LC50 10.5 ppm, 96h	Gambusia affinis Daphnia magna Lemppis macrochirus
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. (Sulfuric acid, hydrogen peroxide)	8	III	
Limited quantity:	5 L			
Special precautions:	Keep away from heat and incompatible materials.			



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Environmental dangers:	No.
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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:	24 May 2019
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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
<p>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.</p>	