

SECTION 1 - IDENTIFICATION	
Product identifier:	CONCENTRATED LAUNDRY DETERGENT 2X
Product code:	
Recommended use:	Laundry detergent.
Chemical name :	Mixture
Supplier identifier:	BALECO INC. 5530, rue St Patrick, unité 1126 Montréal, QC H4E 1A8 514-933-1555
Manufacturer identifier:	LES PLASTIQUES JETS 1600, rue Louis-Marchand Beloeil, QC J3G 6S3 450-714-1097
Emergency phone:	Canutec (613) 996-6666 24 hrs

SECTION 2 - HAZARD IDENTIFICATION		
Classification	Skin irritation 3 Eye irritation 2B	
Signal word	CAUTION	
Hazard statement	H316 H320	Causes mild skin irritation. Causes eye irritation.
Precautionary statement - Prevention	P264	Wash hands thoroughly after handling.
Precautionary statement - Response	P332+P313 P305+P351+P338 P337+P313	If skin irritation occurs: Get medical advice/attention. 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.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS		
Hazardous product	No. CAS	% (weight)
Sodium lauryl ether sulfate	68585-34-2	3 – 7 *
Coco polyglycoside	141464-42-8	3 – 7 *
Sodium carbonate	497-19-8	1 – 5 *
Sodium octyl sulfate	142-31-4	1 – 5 *
Alanini, N N bis (carboxymethyl) trisodium salt	164462-16-2	1 – 5 *

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

SECTION 4 - FIRST AID MEASURES
<p>Inhalation: IF INHALED: remover person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CONTROL CENTER or physician.</p> <p>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.</p> <p>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.</p> <p>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.</p>

Note to physician:
Treat symptomatically.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media: As required by the conditions of the fire. Water spray, foam, dry chemical powder, CO2.
Unsuitable extinguishing media: Direct water jet may cause formation of foam.
Hazardous combustion products : Carbon oxides, sodium oxides, sulphur 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. 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 :
Strong oxidizing agents, strong acids, strong alkalis.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Ingredients	# CAS	SOURCE	Values
Sodium lauryl ether sulfate	68585-34-2		No established limits.
Coco polyglycoside	141464-42-8		No established limits.
Sodium carbonate	497-19-8		No established limits.
Sodium octyl sulfate	142-31-4		No established limits.
Alanini, N N bis (carboxymethyl) trisodium salt	164462-16-2		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:	Transparent liquid, colourless
Odour :	Odourless
Odour threshold:	Not determined
pH:	10.9
Melting point:	Not determined
Initial boiling point:	100°C
Flash point:	Not applicable
Evaporation rate (butyl acetate = 1):	Not determined
Flammability:	Not flammable
LIL:	Not applicable
UIL:	Not applicable
Vapour pressure:	Not determined
Vapour density (air=1):	Not determined
Relative density:	1.0
Solubility:	Complete in water
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	130 cPs

SECTION 10 - STABILITY AND REACTIVITY

Stability and reactivity :	Stable under recommended conditions and expected usage.
Polymerisation:	Risk of sudden polymerization
Conditions to avoid :	Contact with incompatible materials.
Incompatible materials :	Strong oxidizing agents, strong acids, strong alkalis.
Hazardous decomposition products :	Carbon oxides, sodium oxides, sulphur oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data:				
Hazardous ingredient	CAS	%	DL₅₀ (route, species)	CL₅₀ (species)
Sodium lauryl ether sulfate	68585-34-2	3 – 7	> 2000 mg/kg, oral, rat > 2000 mg/kg, dermal, rabbit	No data.
Coco polyglycoside	141464-42-8	3 – 7	> 2000 mg/kg, oral, rat	No data
Sodium carbonate	497-19-8	1 – 5	2390 mg/kg, oral, rat	1150 mg/m ³ , rat, 4h
Sodium octyl sulfate	142-31-4	1 – 5	3200 mg/kg, oral, rat	No data
Alanine, N N bis (carboxymethyl) trisodium salt	164462-16-2	1 – 5	> 4000 mg/kg, oral, rat > 4000 mg/kg, dermal, rat	> 5 mg/L, rat, 4h
Short term exposure (acute) :				
Inhalation:	No adverse effect reported.			
Skin:	May cause skin irritation. Redness, itching.			
Eyes:	May cause eye irritation. Redness, pain, tearing.			
Ingestion:	May cause gastric distress if ingested in large quantities. Nausea, vomiting, abdominal pain.			
Long term exposure (chronic) :				
Inhalation:	Not data.			
Skin:	Not data.			
Eyes:	Not data.			
Ingestion:	Not data.			
Carcinogenicity :	Not data.			
Teratogenicity:	Not data.			
Mutagenicity:	Not data.			
Target organ:	Not data.			
Conditions aggravated by exposure :	Not data.			

SECTION 12 - ECOLOGICAL INFORMATION



Hazardous ingredient	CAS	%	Value	Species
Sodium lauryl ether sulfate	68585-34-2	3 – 7	LC50 2.3 mg/L, 96h EC50 2.33 – 4.81 mg/L, 48h	Fish Ceriodaphnia dubia
Coco polyglycoside	141464-42-8	3 – 7	LC50 10 – 100 mg/L	Fish
Sodium carbonate	497-19-8	1 – 5	LC50 300 mg/L, 96h EC50 265 mg/L, 48h	Lepomis macrochirus Daphnia magna
Sodium octyl sulfate	142-31-4	1 – 5	No data	
Alanini, N N bis (carboxymethyl) trisodium salt	164462-16-2	1 – 5	LC50 > 200 mg/L, 96h EC50 > 200 mg/L, 48h EC50 > 200 mg/L, 72h EC50 > 200 mg/L, 28j	Brachydanio rerio Daphnia magna Scenedesmus subspicatus Oncorhynchus mykiss
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
Not regulated for transport.				

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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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.