

SAFETY DATA SHEET

ACTION 5X LAUNDRY DETERGENT

SECTION 1 - IDENTIFICATION	
Product identifier:	ACTION 5X LAUNDRY DETERGENT
Recommended use:	Laundry detergent
Chemical name :	Mixture
Chemical group:	Mixture
Manufacturer 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 irritation – Category 3 Eye irritation – Category 2B Specific target organ toxicity, single exposure; Respiratory tract irritation – category 3
Signal word	WARNING
Hazard statement	H316 Causes mild skin irritation H320 Causes eye irritation H335 May cause respiratory irritation
Precautionary statement - Prevention	P103 Read label before use. P261 Avoid breathing dust, fume, gas, mist, vapours, spray. P264 Wash hands thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves, protective clothing, eye protection, face protection.
Precautionary statement - Response	P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation or rash occurs: Get medical attention. P321 Specific treatment: as symptoms occur. P362+P364 Take off contaminated clothing and wash it before reuse. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313+P333 If eye irritation, skin irritation/rash persists: Get medical advice. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Precautionary statement - Storage	P312 Call a POISON CENTER or doctor if you feel unwell.
Precautionary statement - Elimination	P403 + P233 Store in a well-ventilated area. Keep container tightly closed. P501 Dispose contents/containers according to municipal, provincial and federal regulations.



SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS		
Hazardous product	No. CAS	% (weight)
Alanine N,N-bis(carboxymethyl) trisodium salt	164462-16-2	1 – 5*
Monoethanolamine	141-43-5	1 – 5 *
Tridecyl alcohol ethoxylate	78330-21-9	1 – 5 *
Sodium polyacrylate	9003-04-7	1 – 5 *
D-Glucopyranose, digomeric alkyl glycoside	132778-08-6	1 – 5 *
Sodium lauriminodipropionate	14960-06-6	1 – 5 *
Sodium laureth sulfate	68585-34-2	3 – 7 *

*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 not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.

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Skin contact:

IF ON SKIN: If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing/ jewellery and wash it before reuse. Apply moisturizing cream in case of dry skin.

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.

Notes to physician:

No specific treatment. Treat according to symptoms. Contact a poison center immediately if large quantity has been ingested.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire: Use water, foam, CO2, dry chemicals to extinguish.

Unsuitable extinguishing media:

Stream of water directed into the product will generate large amounts of foam.

Hazardous combustion products :

Carbon oxides, nitrogen oxides, sulphur oxides.

Protective equipment :

Fire-fighters must wear protective equipment and NIOSH approved self-contained breathing apparatus.

Precautions:

Retain water run-off. Move containers away from fire area if without risk. Use water spray to keep containers cool. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Protective equipment:

Wear plastic or rubber gloves if large quantities of bulk are handled. (See Section 8) wear respiratory equipment if ventilation is inadequate.

Containment and clean up:

Ventilate spill area. Stop spill if safe to do so. Contain and absorb with an inert absorbing material (sand, earth, vermiculite, diatomaceous earth) 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:

Eliminate according to municipal, provincial and federal regulations. Prevent leaking substances from running into the aquatic environment or sewage systems.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:

Containers must be identified correctly. Handle in a well ventilated area. Avoid contact with skin, eyes and clothing. Keep container tightly closed. 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. Do not ingest. Avoid breathing vapours or mist. Wear appropriate respiratory equipment if ventilation is inadequate. Do not enter storage or enclosed areas if ventilation is inadequate.

Conditions for safe storage:

Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep containers closed..

Incompatible materials :

Strong oxidants, acids. The product does not polymerise.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Alanine N,N-bis(carboxymethyl) trisodium salt	No data	No data	No data	No data
Monoethanolamine	3 ppm 7.5 mg/m3	6 ppm 15.0 mg/m3	3 ppm 7.5 mg/m3	6 ppm 15.0 mg/m3
Tridecyl alcohol ethoxylate	No data	No data	No data	No data

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Sodium polyacrylate	No data	No data	No data	No data
D-Glucopyranose, digomeric alkyl glycoside	No data	No data	No data	No data
Sodium lauriminodipropionate	No data	No data	No data	No data
Sodium laureth sulfate	No data	No data	No data	No data

Engineering controls:

Local ventilation system is recommended.

Protection of airways:

Not required if ventilation is adequate. Wear a NIOSH approved respiratory equipment if concentrations are superior to recommended maximal limits.

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 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 yellowish liquid
Odour :	Characteristic of the product
Odour threshold:	Not available
pH :	10.90 – 11.40
Melting point:	Not applicable
Initial boiling point:	Not applicable
Flash point:	Not applicable
Evaporation rate (butyl acetate = 1):	> 1.0
Flammability:	Not applicable
LIL:	Not available
UIL:	Not available
Vapour pressure:	Not available
Vapour density (air=1):	Not available
Relative density:	1.07 – 1.08 g/mL
Solubility:	Soluble in water
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	500 - 700 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 oxidants, acids.
Hazardous decomposition products :	Carbon oxides, nitrogen oxides, sulphur oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data:				
Hazardous ingredient	CAS	% (weight)	LD ₅₀ (route, species)	LC ₅₀ (species)
Alanine N,N-bis(carboxymethyl) trisodium salt	164462-16-2	1 – 5	>4000 mg/kg, rat, oral >4000 mg/kg, rabbit, dermal	>5 mg/L, rat, 4hr
Monoethanolamine	141-43-5	1 – 5	1089 mg/kg, rat, oral 1015 mg/kg, rabbit, dermal	No data
Tridecyl alcohol ethoxylate	78330-21-9	1 – 5	>2000 mg/kg, rat, oral >2000 mg/kg, rabbit, dermal	No data

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Polyacrylate de sodium	9003-04-7	1 – 5	>5000 mg/kg, rat, oral >5000 mg/kg, rabbit, dermal	No data
D-Glucopyranose, digomeric alkyl glycoside	132778-08-6	1 – 5	>5000 mg/kg, rat, oral >5000 mg/kg, rabbit, dermal	>20 mg/L, vapour, rat
Sodium lauriminodipropionate	14960-06-6	1 – 5	>5000 mg/kg, oral, mouse >5000 mg/kg, rat, dermal	No data
Sodium laureth sulfate	68585-34-2	3 – 7	>5000 mg/kg, rat, oral >2000 mg/kg, rabbit, dermal	No data

Short term exposure (acute) :

Inhalation:	Irritating to respiratory system.
Skin:	Irritating to skin.
Eyes:	Irritating to eyes
Ingestion:	No known significant effects or critical hazards.

Long term exposure (chronic) :

Inhalation:	Not available
Skin:	Not available.
Eyes:	Not available
Ingestion:	Not available
Carcinogenicity :	Not classified
Teratogenicity:	Not available
Mutagenicity:	Not mutagen
Target organ:	Not available
Conditions aggravated by exposure :	Not available

SECTION 12 - ECOLOGICAL INFORMATION

Hazardous ingredient	CAS	% (weight)	Value	Species
Alanine N,N-bis(carboxymethyl) trisodium salt	164462-16-2	1 – 5	LC50 >200 mg/L, 96 hr EC50 >200 mg/L, 48 hr EC50 >200 mg/L, 72 hr	Brachydanio rerio Daphnia magna Scenedesmus subcapitatus
Monoethanolamine	141-43-5	1 – 5	LC50 349 mg/L, 96 hr LC50 170 mg/L, 96 hr EC50 65 mg/L, 48 hr EC50 2.5 mg/L, 72 hr EC50 22 mg/L, 72 hr	Cyprinus carpio Carassium auratus Daphnia magna Senastrum capricornutum Scenedesmus subcapitatus
Tridecyl alcohol ethoxylate	78330-21-9	1 – 5	LC50 1 – 10 mg/L, 96 hr EC50 1 – 10 mg/L, 48 hr EC50 1 – 10 mg/L, 72 hr	Fish (not specified) Daphnia magna Algae
Sodium polyacrylate	9003-04-7	1 – 5	LC50 700 mg/L, 96 hr LC50 >1000 mg/L, 96 hr LC50 >200 mg/L, 96 hr EC50 >1000 mg/L, 48 hr EC50 >180 mg/L, 96 hr	Oncorhynchus mykiss Lepomis macrochirus Danio/Brachydanio rerio Daphnia magna Algae
D-Glucopyranose, digomeric alkyl glycoside	132778-08-6	1 – 5	LC50 1 – 10 mg/L EC50 1 – 10 mg/L EC50 10 – 100 mg/L, 72 hr	Fish (not specified) Daphnia magna Algae
Sodium lauriminodipropionate	14960-06-6	1 – 5	LC50 10 – 100 mg/L, 96 hr EC50 1 – 10 mg/L ED50 10 – 100 mg/L, 72 hr	Fish (not specified) Daphnia magna Chlorella vulgaris
Sodium laureth sulfate	68585-34-2	3 – 7	LC50 2.3 mg/L, 96 hr EC50 2.33–4.81 mg/L, 48 hr	Fish (not specified) Ceriodaphnia dubia
Persistence and degradability :	Not available			
Bioaccumulation potential:	Not available			
Mobility in soil:	Not available			
Other adverse effects :	Not available			

SECTION 13 - DISPOSAL CONSIDERATIONS

Safe handling for disposal:	Store materials for elimination and contaminated packaging as indicated in Section 7 Handling and Storage.
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Methods of disposal : Dispose contents/containers according to all municipal, provincial and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

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.