



LAVO
11900 Boul. Saint-Jean Baptiste
Montréal, QC, H1C 2J3
CANADA
1-800-361-6898

PRODUCT: SPRING TIME Detergent Complete+, 4 in 1

CODE: STF05-2516

SECTION 01: IDENTIFICATION

Product identification..... SPRING TIME Detergent Complete+, 4 in 1
Product code..... ST F05-2516
Recommended use..... Laundry detergent. Domestic use.
CHEMICAL FAMILY..... Mixture.
Manufacturer by..... LAVO
11900 Boul. Saint-Jean-Baptiste
Montréal, QC, H1C 2J3
CANADA
1-800-361-6898
24 HOUR EMERGENCY NUMBER:..... CANUTEC 24-Hour Number: 613-996-6666.

SECTION 02: HAZARD IDENTIFICATION



Signal word..... WARNING.
Hazard classification..... Eye Irritation Category 2. Skin Corrosion/Irritation Category 2.
Hazard statements..... H315 Causes skin irritation. H320 Causes eye irritation.
Precautionary statements..... P280 Wear protective gloves/protective clothing/eye protection/face protection. P281 Use personal protective equipment as required. P270 Do not eat, drink or smoke when using this product. P264 Wash thoroughly after handling. P301+P310: IN CAS OF SWALLOWED: Call IMMEDIATELY a POISON CENTER or physician. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash before reuse. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 03: COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME AND SYNONYMS	CAS #	WT. %
Ethoxylated C12-15 Alcohols	68131-39-5	3.0-7.0
Alkyl benzene sulfonic acid	68584-22-5	1.0-5.0
Sodium Carbonate	497-19-8	0.5-1.5
Cellulase	9012-54-8	<0.1
Perfume	Mixture	<0.5

SECTION 04: FIRST-AID MEASURES

ROUTES OF EXPOSURE..... Eye and skin.
Eye contact..... Immediately hold eyelids open and flush with water for at least 15 minutes. Check for and remove any contact lenses if easy to do. Call a poison center or physician.
Skin contact..... Wash affected area with large amount of water. Obtain medical attention if irritation develops or persists.
Inhalation..... Seek medical attention. If symptoms develop move victim to fresh air.
Ingestion..... Call IMMEDIATELY a poison centre or a doctor. Do not induce vomiting or give anything by mouth to an unconscious person.
Acute symptoms/Effects
Eyes:..... May irritate eyes.
Ingestion:..... May be harmful if swallowed.
Inhalation:..... May cause respiratory tract irritation.
Skin:..... May irritate skin.
Delayed symptoms/Effects..... Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

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SECTION 04: FIRST-AID MEASURES

General advice..... Consult a physician. Show this safety data sheet to the doctor.

SECTION 05: FIRE-FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY..... Non-flammable substance.
 Suitable extinguishing media..... Use fire-extinguishing media appropriate for surrounding materials.
 Unsuitable extinguishing media..... None known.
 Special protective actions for fire-fighters. Firefighter should wear proper protective equipment and self contained breathing apparatus with full face piece operated in positive pressure mode.
 Specific hazards arising from the chemical May include and are not limited to: Oxides of carbon.
 EXPLOSION HAZARDS:
 Sensitivity to static discharge:..... No information available.
 Sensitivity to mechanical impact: No information available.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personnel precautions..... Restrict access to area until completion of clean up. Evacuate personnel to safe areas. All persons dealing with clean up should wear the appropriate protective equipment including self contained breathing apparatus. Use personnel protective equipment. Ensure adequate ventilation.
 Environmental precautions..... Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Prevent further leakage or spillage if safe to do.
 Methods and materials for containment and cleaning Stop leak if you can do so without risk. Contain and absorb spilled liquid with non combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal. Flush with water. Do not flush into surface water or sanitary sewer system. Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required. Small spills may be absorbed with non-reactive absorbent and placed in suitable covered, labeled containers. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

SECTION 07: HANDLING AND STORAGE

Precaution for safe handling..... Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing. Wash thoroughly after handling. Keep container tightly closed.
 Condition for safe storage..... Keep out of reach of children. Keep container tightly closed. Store in a cool, dry, well-ventilated area.
 Storage temperature..... 5-30°C. Do not freeze.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
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Ethoxylated C12-15 Alcohols	Not available	Not available	Not available	Not available	Not available
Alkyl benzene sulfonic acid	No available	No available	No available	No available	Not available
Sodium Carbonate	No information available	No information available	15mg/m3	No information available	No information available
Cellulase	No information available	No information available	No information available	No information available	No information available

ACGIH TLV:..... American Conference of Governmental Industrial Hygienists - Threshold Limit Value.
 OSHA PEL:..... Occupational Safety and Health Administration - Permissible Exposure Limits.
 NIOSH IDLH:..... Immediately Dangerous to Life or Health.

Appropriate engineering controls..... General ventilation.
 General hygiene considerations..... Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
 Personnel protection equipment (PPE)..... As required by employer. Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workspace.
 Eye / Face protection:..... Wear safety glasses with side shields or goggles.
 Skin protection:..... Wear protective gloves. Gloves must be inspected prior to use.

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SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:..... Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s). Use a full face respirator with multi-purpose combination or Wear self contained breathing apparatus.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Appearance, physical state..... Viscous liquid.
 Colour..... Colored mixture. Blue.
 Odour..... Perfumed .
 Odour threshold (ppm)..... No information available.
 pH..... 8.0- 9.0.
 Density..... 1.02-1.04.
 % SOLID..... 9.0-11.0.
 Melting point / Freezing point (°C)..... Not available.
 Boiling point (°C)..... Not available.
 Flash point (°C)..... No information available.
 Evaporation rate..... Not available.
 Vapour pressure (mmHg)..... Not available.
 Relative Vapour Density (AIR=1)..... Not available.
 Solubility in water (%w/w)..... Soluble in water.
 Partition coefficient n-octanol/water (log)... Not available.
 Auto ignition temperature (°C)..... Not available.
 Decomposition temperature..... Not available.
 Refractive Index..... 11-14.
 Viscosity..... 200-600 cPs.

SECTION 10: STABILITY AND REACTIVITY

Chemical stability..... Stable under the recommended storage and handling conditions prescribed.
 Reactivity..... This product may react with strong acids.
 Possibility of hazardous reactions..... Hazardous polymerization cannot occur.
 Conditions to avoid..... Do not mix with incompatible materials.
 Incompatible materials..... Acids.
 Hazardous decomposition products..... May include and are not limited to: Calcium oxide.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
Ethoxylated C12-15 Alcohols	Not available	Oral Rat 300-2000mg/kg; Dermal Rabbit >2000mg/kg;
Alkyl benzene sulfonic acid	No available	Oral Rat 500-2000mg/kg;Dermal Rabbit >2000mg/kg;
Sodium Carbonate	Inh Rat 2hrs >2300mg/m3;	Oral Rat >2800mg/kg; Dermal Mousse >2210mg/kg;
Cellulase	LC50 (96 hours): >39.5 mg/L(OECD TG 203);	Oral 2000mg/kg; Skin Not irritating OECD TG404; Eyes Not irritating OECD TG405;
Information on the likely routes of exposure	Eyes, skin, respiratory system and digestive system.	
Potentiel effects on humans		
Eye contact.....	Causes eye irritation.	
Skin contact.....	Causes skin irritation.	
Inhalation.....	May cause respiratory irritation.	
Ingestion.....	May cause stomach distress, nausea or vomiting.	
Chronic effects on humans.....	Non hazardous.	
Sensitization.....	Non hazardous.	
This mixture contains:.....	Perfume <0.5%; CAS:9012-54-8 Cellulase <0.1%;	
Target organs.....	Not available.	
Carcinogenicity.....	No evidence of carcinogenic effects.	
Carcinogen classification code		
American Conference of Governmental ...	A4 - Not classifiable as a human carcinogen.	
Industrial Hygienists, ACGIH		
International Agency for Research on Cancer, IARC	3 - Group 3:Not classifiable as to its carcinogenicity to humans.	
Mutagenicity.....	Not available.	
Reproductive toxicity.....	Not available.	
Teratogenicity.....	Not available.	
Specific target organs toxicity - Single exposure	Not available.	

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Specific target organs toxicity - Repeated exposure Not available.
 Aspiration hazard..... Not available.
 Symptoms related to the physical, chemical and toxicological characteristics Prolonged or repeated contact may cause drying, cracking and defatting of the skin.
 Interactive effects..... Not available.

SECTION 12: ECOLOGICAL INFORMATION

Mobility in soil..... Not available.
 Persistence and degradability..... Expected to be biodegradable.
 Bioaccumulation potency..... Not available.
 Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods..... The disposal of the product must be made in an approved sanitary landfill or in a foundry in accordance with state, provincial and/or federal regulations.

SECTION 14: TRANSPORT INFORMATION

Domestic Substances list, DSL..... All components of this product are either on the Domestic Substances List, the Non Domestic Substances List or exempt.
 TDG Classification..... Not regulated.
 DOT US: Department of Transport US..... Not regulated.
 IMDG: International Maritime Dangerous Goods Not regulated.
 IATA: International Air Transportation Association Not regulated.

SECTION 15: REGULATORY INFORMATION

WHMIS Classification..... This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and this document contains all the information required by the Controlled Products Regulations.

SECTION 16: OTHER INFORMATION

DET 0811EZ..... F05-2516.
 Disclaimer:..... The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. LAVO expressly disclaims all expressed or implied warranties for the accuracy or completeness of the data contained herein and assumes no responsibilities for any involved damages by above data. Products users have to do their own tests to establish the applicability of the information for a specific use of the product. SDS data does not apply to use with any other product or in any other process.
 Prepared by: Regulatory Affairs
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