

1. Identification

Product name ALKADET
 Use CONCENTRATED LAUNDRY DETERGENT
 Supplier Groulx Robertson-Venus
 A division of GTR Chemical Solutions Inc.
 190 Oneida drive, Pointe-Claire
 Quebec, Canada H9R 1A8
 Emergency phone number: CANUTEC (613) 996-6666

Code 10VE4042L



2. Hazard identification

Product classification Serious eye damage / Eye irritation - Category 1
 Signal word **DANGER**
 Hazard statement H318 - Causes serious eye damage.
 Pictogram



Precautionary statement P280 - Wear protective gloves / protective clothing / eye protection / face protection.
 P305+P351+P338 - **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
 P310 - Immediately call a POISON CENTER or a doctor.

3. Composition / Information on ingredients

Ingredient name	Cas number	% (w/w)
Dodecylbenzenesulfonic acid sodium salt	25155-30-0	7 - 13
Sodium lauryl ether sulfate	9004-82-4	1 - 5
Ethylenediaminetetraacetic acid tetrasodium salt anhydrous	64-02-8	1 - 5
Exact percentages are being withheld as trade secret information		

4. First-aid measures

Eyes contact Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 30 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact Wash with plenty of water and soap. If an irritation of the skin develops, seek medical attention. Remove contaminated garments and wash them before reusing them.

Inhalation Bring person to aerated area. If the the victim has trouble breathing, seek medical assistance.

Ingestion Do not induce vomiting. Rinse mouth. Drink a glass of water. if a feeling of discomfort or other symptoms develop, see a doctor.

Most important symptoms and effects See section 11.

Indication of immediate medical attention and special treatment needed No further information available.

5. Fire-fighting measures

Suitable extinguishing media	To fight a fire, use extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	It is not specified whether or not there is an inappropriate method of extinguishing this product.
Specific hazards arising from the chemical	No further relevant information available.
Special protective equipment and precautions for firefighters	Wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Wear protective equipment listed in section 8. Keep unnecessary personnel and unprotected persons away.
Methods and materials for containment and cleaning up.	Isolate area. Keep unnecessary personnel away. Ensure adequate ventilation. Stop the flow of material, if this is without risk. Absorb with inert material such as vermiculite, sand or soil. Put in adequate container. Wash contaminated area.

7. Handling and storage

Precautions for safe handling	Put on appropriate personal protective equipment (see section 8). Use in a way to prevent splashing. Eating, drinking and smoking should be prohibited in areas where this material is handled or stored. Workers should wash hands and face before eating, drinking and smoking. Keep in the original container or an approved alternative, kept tightly closed when not in use. Do not reuse empty container.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls / Personal protection

Occupational exposure limits (by ingredients)

Ingredient name	TWAEV	STEV
Dodecylbenzenesulfonic acid sodium salt	-	-
Sodium lauryl ether sulfate	-	-
Ethylenediaminetetraacetic acid tetrasodium salt anhydrous	-	-

Source of data : RSST

P = ceiling value that should not be exceeded for any amount of time.

Appropriate engineering controls	Use only with ventilation adequate to keep air concentration below STEV if use generates vapor or mists. If STEV is exceeded, wear NIOSH approved respirator.
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Individual protection measures

Eyes & face	Tightly sealed goggles.
Skin	Protective gloves.
Respiratory	If airborne exposures cannot be kept below permissible exposure limits, use a NIOSH approved respiratory protection.
Other	Provide eye wash facility and safety shower near the places where the product is used. Normal work clothes (long-sleeved shirt, long pants and closed shoes) are recommended. Contact lenses should not be worn when handling this product.

9. Physical and chemical properties

Physical state	Liquid	Evaporation rate	Not available	Relative density	1.1
Colour	Light blue	Flammability	Not flammable	Solubility	Soluble in water
Odour	Slight odor	Upper flammability limits	Not available	Partition coefficient - n-octanol/water	Not available
Odour threshold	Not available	Lower flammability limits	Not available	Auto-ignition temperature	Not available
pH	10	Upper explosive limits	Not available	Decomposition temperature	Not available
Melting point	Not available	Lower explosive limits	Not available	Viscosity	Not available
Initial boiling point and boiling range	Not available	Vapour pressure	Not available		
Flash point	Not available	Vapour density	Not available		

10. Stability and reactivity

Reactivity	No further relevant information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to avoid	No specific data.
Incompatible materials	Incompatible with acid.
Hazardous decomposition products	None known

11. Toxicological information

Potential Health Effects

Eyes contact	Corrosion of the eyes. Can provoke damage to the eyes that leads to blindness.
Skin contact	Prolonged and widespread contact with the product may cause irritation.
Inhalation	No known effect.
Ingestion	Possibly harmful.
Chronic Exposure	No further information available.

Acute toxicity (per ingredient)

Ingredient	Acute toxicity
Dodecylbenzenesulfonic acid sodium salt	LD 50 Oral : 438 mg/kg, Rat LD 50 Dermal : >2000 mg/kg, Rat LC 50 Inhalation : 0.31 mg/l, Rat, 4 h
Sodium lauryl ether sulfate	LD 50 Oral : 630 mg/kg, Rat
Ethylenediaminetetraacetic acid tetrasodium salt anhydrous	LD 50 Oral : > 2000 mg/kg, Rat

12. Ecological information

Ecotoxicity	No further relevant information available.
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Persistence and degradability No further relevant information available.
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.

13. Disposal considerations

Disposal methods Dispose of contents/container in accordance with local / regional / national / international regulations.

14. Transport information

TDG Classification

UN Number	Shipping name	Class	Packing group
N/A	Not regulated	N/A	N/A

15. Regulatory information

WHMIS classification Serious eye damage / Eye irritation - Category 1
Other applicable regulations No further data available.

16. Other information

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Notice to reader

The information provided in this Safety Data Sheet is accurate to the best of our knowledge, and information available at the date of publication. The information is only designed as a guidance for safe handling, use, transport, storage and disposal.

Use of this product should be performed with caution as there are risks and hazards for people and goods, which are detailed but are not limited in this MSDS. To reduce the risks and dangers with this product is the responsibility of the user to comply with instructions and all instructions provided in the MSDS of this product. The manufacturer, distributors and suppliers of this product are exempt from any liability for any loss or damages of any kind whatsoever resulting from the use of this product that does not comply with the instructions or to all instructions provided in this MSDS or resulting from careless use of this product.