

MATERIAL SAFETY DATA SHEET

Revision #: 01

Section 1 - Product Identification & Use

Product Name: **Viking Car Wash**
WHMIS Classification: Class D2B, Toxic materials, Class E,
Corrosive materials
TDG Classification: Non regulated
Manufacturer: Advance Chemicals Ltd.
2023 Kingsway Avenue
Port Coquitlam, B.C. V3C 1S9
Phone: (604) 945-9666
Fax: (604) 945-9617
Emergency phone: CANUTEC 24 hrs (613) 996-6666

Section 2 - Hazardous Ingredients

Hazardous Components	%(w/w)	C.A.S. No.	LD ₅₀ & LC ₅₀
Alky aryl sulfonate	10-30	10213-79-3	(oral, rat) 847mg/kg
Sodium laurel sulfate	1-5	9004-82-4	N/A
Ethylene Glycol n-Butyl Ether	1-5	111-76-2	(oral, rat) 1480mg/kg
Sodium metasilicate pentahydrate	1-5	68439-57-6	(oral, rat) 3900mg/kg
Potassium hydroxide	0.5-1.5	1310-58-3	(oral, rat) 273mg/kg

Section 3 - Physical Data

Physical state: liquid Boiling point: >100°C
Liquid density: 1.02 +/- 0.02 Melting point: >0°C
pH: 10.0 @ 1% Solubility in water: 100%
Vapour pressure: N/A Evaporation rate: N/A
Odour & Appearance: The product is a red liquid solution. There is a pleasant cherry fragrance above the open liquid.

Section 4 - Fire or Explosion Hazard

Flammability: The product is considered to not burn or support combustion.
Extinguishing media: Use an extinguishing media for surrounding the fire, use dry chemicals, carbon dioxide, alcohol foam or water spray. Use water to cool fire exposed containers to prevent vapour build-up and rupture.
Hazardous Combustion Products: This product may liberate oxides of carbon and sodium. Wear self contained breathing apparatus.

Section 5 - Reactivity Data

Stability: Stable.
Incompatible substances: Incompatible with acids, oxidizing materials, ammonia, aluminum, tin, lead and zinc.
Polymerization: Will not occur.
Conditions to Avoid: Excessive heat.
Hazardous Combustion Products: This product may thermally decompose to produce carbon monoxide and/or carbon dioxide gas, and oxides of sodium. Carbon monoxide gas is highly toxic if inhaled, and carbon dioxide in sufficient quantities may act as an asphyxiant. Wear self contained breathing apparatus.

Section 6 - Toxicological Properties

Chronic or Other Toxic effects: None known.
Skin contact: May cause skin irritation.
Eye contact: May cause moderate to severe irritation.
Inhalation: Mist may cause severe irritation to the respiratory tract characterized by coughing or shortness of breath.
Ingestion: May cause nausea, vomiting, diarrhea, abdominal pain, and burning of the mouth and esophagus.

Section 7 - Preventative Measures

Personal Protective Equipment: Avoid contact with eyes. Wear safety goggles with side shields. It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of eye injury. Wear long sleeved shirt, trousers and safety shoes.
Respiratory protection: A respirator is normally not required if this product is used with adequate ventilation.
Ventilation Requirements: General room ventilation is adequate.
Other Measures: An eye wash and safety shower should be located nearby and ready for immediate use.
Action to take for spills & leaks: In case of spill, remove all ignition sources. Provide adequate ventilation. Absorb with inert, dry material, dry earth, or sand. For small spills, neutralization can be

done with dilute acid. Wear chemical protective clothing, rubber gloves and suitable respiratory protection. Keep product out of sewers, storm drains, surface run-off water and soil. Restrict access to non-protected personnel. Comply with all government regulations on spill reporting, and handling and disposal of waste.

Disposal methods: Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, provincial and local regulatory agencies to ascertain proper disposal procedures.

Storage & Handling Precautions: Use care and proper equipment when handling this product. All equipment should be properly grounded. Keep container away from excessive heat, sparks and flames. Store in a cool, dry, well ventilated location. Do not store product near incompatible materials. Warning, causes eye irritation. Avoid contact with eyes and repeated contact with skin and clothing. Do not ingest. Keep container tightly closed when not in use. Do not use pressure to empty container. Wash thoroughly after handling. Use with adequate ventilation. Tanks must be grounded and ventilated. Ensure proper electrical grounding procedures are in place during product transfer.

Repair and Maintenance Precautions: Do not cut, grind, weld or drill in, on or near this container.

Other Precautions: Containers, even those that have been emptied, will retain product residue and vapours. Always obey hazard warnings and handle empty containers as if they were full, and dispose of in an approved manner.

Section 8 - First Aid Measures

IF INHALED: Remove victim to fresh air. Give artificial respiration if not breathing. Get immediate emergency medical attention.

IN CASE OF EYE CONTACT: Immediately flush eyes with clean water for at least fifteen (15) minutes, lifting the upper and lower eye lids occasionally. Get immediate emergency medical attention.

IN CASE OF SKIN CONTACT: Flush skin with plenty of clean running water for at least fifteen (15) minutes. Remove contaminated clothing and shoes. Wash and launder clothes before re-use. If irritation persists after washing, seek medical attention.

IN CASE OF INGESTION OR SWALLOWING: If victim is conscious and medical attention is not immediately available, dilute stomach contents by giving large amounts of water or milk. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim. Get immediate emergency medical attention.

Section 9 - Preparation Information

Advance Chemicals Limited expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided. The information contained herein is offered only as a guide to the handling of this specific product, and has been prepared in good faith by technically knowledgeable personnel. This M.S.D.S. is not intended to be all inclusive, and the manner and conditions of use may involve other and additional considerations.

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