

MATERIAL SAFETY DATA SHEET

Revision #: 02

Section 1 - Product Identification & Use

Product Name: Biowash 50
WHMIS Classification: D2B
TDG Classification: Non-Regulated Product
Manufacturer: Advance Chemicals Ltd.
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Section 2 - Hazardous Ingredients

Hazardous Components	%(w/w)	C.A.S. No.	LD ₅₀ & LC ₅₀
Sodium metasilicate pentahydrate	1-5	6834-92-0	oral,rat 800mg/kg
Linear alkyl benzene sulphonic acid	1-5	unassigned	no data found
Sodium EDTA	1-5	64-02-8	no data

Section 3 - Physical Data

Physical state: liquid **Boiling point:** no data
Liquid density: 1.03 g/mL **Freezing point:** no data
pH: 10 **Solubility in water:** 100%
Vapour pressure: no data **Evaporation rate:** no data
Odour & Appearance: The product is an off-white, opaque liquid solution. The product will foam with agitation. There is a clean odour above the open liquid.

Section 4 - Fire or Explosion Hazard

Flammable: The product is not considered to be extremely flammable.
Extinguishing Media: Use an extinguishing media for surrounding the fire, or all-purpose foam by manufacturer's recommended techniques for large fires. Use water to cool fire exposed containers to prevent vapour build-up and rupture. Water may also be used to flush spills away from dangerous exposures.
Hazardous Combustion Products: This product may produce carbon monoxide and/or carbon dioxide gas when burned. Carbon monoxide gas is highly toxic if inhaled, and carbon dioxide in sufficient quantities may act as an asphyxiate. Wear self-contained breathing apparatus.

Section 5 - Reactivity Data

Chemical Stability: Stable.
Incompatible Substances: Concentrated and strong oxidizing agents.
Polymerization: Will not occur.
Conditions to Avoid: Excessive heat sparks and open flames.
Hazardous Decomposition Products: This product may produce carbon monoxide and/or carbon dioxide gas when burned. Carbon monoxide gas is highly toxic if inhaled, and carbon dioxide in sufficient quantities may act as an asphyxiate. Wear self-contained breathing apparatus.

Section 6 - Toxicological Properties

Acute Toxicity: No data found.
Skin Contact: No data found.
Eye Contact: Irritation, watering.
Inhalation: No data found.
Ingestion: No data found.
Exposure Limits: No data found.
Carcinogenicity: This material is not considered to be a carcinogen by the National Toxicology Program, the International Agency for Research on Cancer, or The Occupational Safety & Health Administration.

Section 7 - Preventative Measures

Personal Protective Equipment: Avoid contact with eyes.
Respiratory Protection: A respirator is normally not required if this product is used with adequate ventilation.
Ventilation Requirements: General room ventilation is adequate.
Action to take for Spills & Leaks: Wear chemical protective clothing, rubber gloves and suitable respiratory protection. Small spills should be wiped up with absorbent material and disposed of in government approved waste containers. The spill area may then be flushed with large quantities of water. Larger spills should be contained by diking with sand, soil or other absorbent, non-combustible material, then transferred into approved waste containers for proper disposal. 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: 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. Do not ingest. Keep container tightly closed when not in use. Wash thoroughly after handling.
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 attention.
In Case of Skin Contact: Rinse with water. Remove contaminated clothing and shoes. Wash and launder clothes before re-use. If irritation persists after washing, seek medical attention.
In Case of Ingesting 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.
 Prepared: 3 March, 2004
 Revised: 12 October 2005; 05 February 2007