

# MATERIAL SAFETY DATA SHEET

Revision #: 03

## Section 1 - Product Identification & Use

Product Name: **Advance Glass Plus**  
Product Use: Ready-to-use glass and window cleaner.  
WHMIS Classification: Class D2.B  
TDG Classification: Not regulated  
Manufacturer: Advance Chemicals Ltd.  
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Port Coquitlam, B.C. V3C 1S9  
Phone: (604) 945-9666  
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## Section 2 - Hazardous Ingredients

Hazardous Components	%(w/w)	C.A.S. No.	LD <sub>50</sub> & LC <sub>50</sub>
2-Propanol	1-5	67-63-0	(Oral, rat) 5.8g/kg TLV 400 ppm

## Section 3 - Physical Data

Physical state: liquid Boiling point: n/a  
Liquid density: 0.997 kg/L @ 23°C Freezing point: -35°C  
pH: 9.9 @ 23°C Solubility in water: 100%  
Vapour pressure: n/a Evaporation rate: n/a  
Odour & Appearance: The product liquid is a clear, brilliant blue solution. The product may foam slightly with agitation. There may be a slight blended alcohol like odour above the surface of the open liquid.

## Section 4 - Fire or Explosion Hazard

**Extinguishing media:** Use an alcohol-type or all-purpose foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Do not use a direct water stream.

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus and personal protective clothing. Use water spray to cool nearby containers and structures.

**Unusual Fire & Explosion Hazards:** This material may produce a floating fire hazard in extreme fire conditions.

## Section 5 - Reactivity Data

**Stability:** Stable.

**Polymerization:** Will not occur.

**Conditions to Avoid:** Heat, sparks and open flames. Avoid contamination with strong oxidizers, acids and alkalies. May be corrosive to lead and aluminum.

**Hazardous Combustion Products:** Burning can produce carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled, and carbon dioxide in sufficient quantities can act as an asphyxiant.

**Conditions of Reactivity:** None currently known.

## Section 6 - Toxicological Properties

**Carcinogenicity:** No data found.

**Irritancy:** No data found.

**Teratogenicity:** No data found.

**Reproductive effects:** No data found.

**Mutagenicity:** No data found.

**Toxicologically synergistic products:** No data found.

**Environmental effects:** No data found.

## Section 7 - Preventative Measures

### Personal Protective Equipment:

**Eyes:** Chemical protective.

**Clothing:** Pants, long sleeved shirt.

**Footwear:** n/a

**Hands:** Chemical protective gloves.

**Other protective measures:** Eye bath and safety shower should be accessible to all personnel working with this product.

**Action to take for spills & leaks:** 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. 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.

**Note:** Empty containers can have residues, gasses and mists, and are subject to proper waste disposal as mentioned above.

**Storage & Handling Precautions:** Warning, harmful or fatal if swallowed. May cause eye, skin and respiratory irritation. Avoid contact with eyes and repeated contact with skin and clothing. Do not ingest. Keep container tightly closed when not in use. Store upright in a cool, dry, well ventilated place away from incompatible materials. 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.

## 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 eyelids occasionally. Get immediate emergency medical attention.

**IN CASE OF SKIN CONTACT:** Immediately 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, get immediate 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 and induce vomiting. IF VICTIM IS UNCONCIOUS DO NOT INDUCE VOMITING. 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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