

MATERIAL SAFETY DATA SHEET

Revision #: 03

Section 1 - Product Identification & Use

Product Name: **KLO-2 Liquid**
TDG Classification: Not regulated
Supplier: Advance Chemicals Ltd.
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Port Coquitlam, BC V3C 1S9
phone (604) 945-9666, fax (604) 945-9617
Emergency phone: CANUTEC 24 hrs (613) 996-6666

Section 2 - Hazardous Ingredients

Hazardous Components	%wt	C.A.S. No.	LD ₅₀ & LC ₅₀
Chlorine dioxide, stabilized	3-5	7758-19-2	no data

Section 3 - Physical Data

Physical state: liquid Boiling point: no data
Liquid density: 1.03g/mL Freezing point: no data
pH: 8-9 Solubility in water: 100%
Vapour pressure: no data Evaporation rate: no data
Odour & Appearance: The product is a clear, liquid solution. There may be a slight chlorine like odour.

Section 4 - Fire or Explosion Hazard

Flammability: The product is not considered to be flammable.
Extinguishing media: Use an extinguishing media for surrounding the fire, or all purpose foam by manufacturer's recommended techniques for large fires. Water may also be used to flush spills away from dangerous exposures.
Hazardous Combustion Products: Combustion may produce toxic thermal decomposition products. Wear self contained breathing apparatus.

Section 5 - Reactivity Data

Stability: Stable.
Incompatible substances: Acids.
Polymerization: Will not occur.
Conditions to Avoid: Reaction with acids may release poisonous gasses.
Hazardous Combustion Products: Combustion may produce toxic thermal decomposition products. Wear self contained breathing apparatus.

Section 6 - Toxicological Properties

Acute Toxicity: N/A
Skin contact: N/A
Eye contact: Mild irritation.
Inhalation: N/A
Ingestion: N/A

Section 7 - Preventative Measures

Personal Protective Equipment: Avoid contact with skin and eyes. Wear chemical protective gloves and goggles. Eye wash fountains and safety shower facilities should be provided nearby for emergency use.
Respiratory protection: Not required.
Ventilation Requirements: Not required.
Action to take for spills & leaks: Wear chemical protective clothing and rubber gloves. Small spills should be wiped up with absorbent material and disposed of in government approved waste containers. 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. Empty containers can have residues, gasses and mists, and are subject to proper waste disposal as mentioned above.
Storage & Handling Precautions: Causes eye irritation. Avoid contact with eyes and repeated contact with skin and clothing. Keep away from sources of heat and open flame. Keep container tightly

closed when not in use. Store upright in a cool, dry, well ventilated place away from incompatible materials.

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 eye lids 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. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim.

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.

Revised: 20 December 2004; 22 November 2006; 4 December 2006