



MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT IDENTIFICATION

PRODUCT NAME : **CHLOR-FLOW**
CHEMICAL NAME : N/AP
SYNONYMS : N/AP
PRODUCT USE : Scale control product for chlorination systems.
MANUFACTURER : **Keytech Water Management**
33 McIntyre Drive, Kitchener, ON N2R 1E4
1-800-265-2772

EMERGENCY PHONE NUMBER (24 HOURS) : **Canutec (613) 996-6666**

SECTION II – PREPARATION OF MSDS

PREPARED BY : MSDS Committee
REVIEW DATE : **May 1, 2014**
PRINT DATE : May 6, 2014

SECTION III – REGULATORY INFORMATION

WHMIS CLASSIFICATION : not classified
TDG SHIPPING NAME : not regulated
CLASS: N/AP **P.I.N.: N/AP** **PACKING GROUP: N/AP**
HMIS **Health: 1** **Fire: 0** **Reactivity: 0** **Personal Protection: b**

SECTION IV – HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>% BY WT</u>	<u>CAS REGISTRY #</u>	<u>HAZARD DESCRIPTION(LD50/LC50)</u>
--------------------	----------------	-----------------------	--------------------------------------

The remaining components are not hazardous according to WHMIS classification or are below the required concentration for disclosure.



SECTION V – PHYSICAL DATA

APPEARANCE	: Clear, translucent		
ODOUR & ODOUR THRESHOLD	: N/D		
SOLUBILITY IN WATER (% w/w)	: Complete		
PHYSICAL STATE	: Liquid	pH (@ 20°C)	: 3.3-4.3
BOILING POINT (°C)	: N/D	SPECIFIC GRAVITY @ 20°C	: 1.005-1.025
FREEZING POINT (°C)	: N/D	VAPOUR PRESSURE	: N/AP
BULK DENSITY	: N/D	VAPOUR DENSITY (AIR = 1)	: N/AP
% VOLATILES BY VOLUME	: N/D	EVAPORATION RATE	: N/AP

SECTION VI – FIRE AND EXPLOSION DATA

FLASH POINT & METHOD	: None, not flammable
AUTO-IGNITION TEMPERATURE (°C)	: N/AP
FLAMMABLE LIMITS IN AIR	UPPER : N/AP
(% BY VOLUME)	LOWER : N/AP
EXTINGUISHING MEDIA	: Use appropriate media for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES	: Use NIOSH approved self-contained breathing apparatus. Remove storage containers from fire zone if possible. Use water to cool containers.
FIRE & EXPLOSION HAZARDS	: Phosphorous and sodium oxides may be released.

SECTION VII – HEALTH HAZARDS

EYE CONTACT	: May cause eye irritation.
SKIN CONTACT	: Prolonged exposure may cause skin irritation.
SKIN ABSORPTION	: N/AV
INGESTION	: May cause diarrhea, nausea, vomiting, and cramps.
INHALATION	: Mist may be irritating to the respiratory tract.
EXPOSURE LIMIT	: OSHA PEL: N/AV ACGIH TLV: N/AV Also see section IV.
CARCINOGENICITY	: Not listed as a carcinogen. Not expected to have mutagenic or reproductively toxic effects on humans.
SYNERGISTIC MATERIALS	: None known.

SECTION VIII – REACTIVITY DATA

INSTABILITY	: Stable under normal conditions of use and storage.
INCOMPATIBILITY	: Avoid contact with strong acids and alkalis.
HAZARDOUS REACTIONS	: May react vigorously with acids.
HAZARDOUS DECOMPOSITION	: None known.
HAZARDOUS POLYMERIZATION	: Will not occur.



SECTION IX – EMERGENCY AND FIRST AID PROCEDURES

- EYE CONTACT** : Check for and remove contact lenses. Flush with water for a minimum of 15 minutes, holding eyelids open. If irritation persists, repeat flushing. Obtain medical attention immediately.
- SKIN CONTACT** : Flush with water for at least 15 minutes. Remove contaminated clothing and shoes while flushing and wash before reuse. If irritation continues, repeat flushing. Obtain medical attention if irritation persists.
- INHALATION** : Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. If breathing is difficult, give oxygen. Obtain medical attention immediately.
- INGESTION** : Do not induce vomiting. Give 1 to 2 glasses of water to dilute the material if the victim is alert and not convulsing. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus. Rinse mouth and administer more water. Obtain medical attention immediately.
- SPECIAL MEASURES** : None.

SECTION X – PREVENTIVE MEASURES

– PERSONAL SAFETY –

- EYE PROTECTION** : Wear safety glasses. Use face shield if splashing is anticipated.
- SKIN PROTECTION** : Skin contact should be prevented through the use of suitable protective clothing selected for conditions of use and exposure potential.
- RESPIRATORY PROTECTION** : Should not be required. Avoid creating or inhaling mists.
- ENGINEERING CONTROLS** : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Ensure eye wash stations and safety showers (or deluge hose) are proximal to the workstation location.

- GENERAL SAFETY -

Emergency Response Plan - Guide # 154

- SPILL & WASTE DISPOSAL** : Wear protective clothing. Ventilate area. Block potential routes to water systems. Pump into appropriate containers or absorb with an inert material such as sand. Rinse residue with water. Disposal must meet all federal, provincial, and local regulations.
- HANDLING & STORAGE** : Store in a cool, dry, well ventilated location away from incompatible materials. Protect from freezing. Keep in original container. Keep container tightly closed. Long term storage is impossible without decomposition.
- SHIPPING INFORMATION** : See section III, TDG Classification

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Keytech Water Management makes no warranty with respect thereof and disclaims all liability from reliance thereon.

N/AP = not applicable N/AV = not available N/D = not determined