

**Anchem Sales**

120 Stronach Cres., London, ON, N5V 3A1 Canada


**PRODUCT NAME: Formaldehyde 37% 11%  
Methanol**
**FO100-00****SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION**

**MANUFACTURER:** Same as above  
**PREPARED BY:** Production Departmen  
**VERSION DATE:** 10-Sep-12  
**TELEPHONE NO.:** (519) 451-1614  
**EMERGENCY PHONE NO.:** (613) 996-6666  
**CHEMICAL FAMILY:** Aldehyde **CHEMICAL FORMULA:** CH2O  
**MOLECULAR WEIGHT:** Mixture **MATERIAL USE:** Please Refer to technical literature  
**SYNONYMS:**

**SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous Ingredients	Conc. Approx. %	C.A.S. #	LD/50 (RTE/SPEC)	LC/50 (RTE/SPEC)	TLV
Methanol	11	67-56-1			
Formaldehyde	37	50-00-0	800 mg/kg	250 mg/kg	
Water	42-77	7732-18-5	N.Av.	N.Av.	N.Av.

**SECTION 03: HAZARD IDENTIFICATION****ROUTE OF ENTRY**

**Eyes:** Causes eye burns.  
**Skin:** Harmful, if absorbed through skin caused general tissue damage. Methanol liquid and vapor can penetrate skin and mucous membranes. Skin contact should be avoided  
**Inhalation:** Harmful if inhaled  
**Ingestion:** May be fatal or may cause blindness

**SECTION 04: FIRSTAID**

**Skin Contact:** Flush skin with water. Wash contaminated clothing before reuse.  
**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contaminated clothing. Call a physician.  
**Inhalation, Acute:** Remove person to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician.  
**Ingestion:** Since formaldehyde is highly corrosive, vomiting after oral ingestion should not be induced. Give milk or water by mouth if the patient is alert and responsive. An activated carbon slurry may also be used. Call a physician

**Notes to physician:** N.Av.

**SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES**

**FLAMMABLE?** No  
**IF YES, UNDER WHICH CONDITIONS?**  
**FLASH POINT (TCC) (C):** 54- 88 C  
**FLAMMABLE LIMITS:** **LEL(% BY VOL.):** **UEL(% BY VOL):**  
**AUTO IGNITION TEMPERATURE (C)** Not Available  
**EXTINGUISHING MEDIA** Water spray, foam, dry chemical, Carbon dioxide (CO2)

**SPECIAL PROCEDURES:**

Cool container with water spray or fog to help absorb escaping fumes. Evacuate affected area. Stay upwind and avoid contact with smoke and fumes. If contact cannot be avoided, wear personal protective equipment including chemical splash goggles and air mask with breathing air supply. Run-off from fire control may cause pollution

**HAZARDOUS COMBUSTION PRODUCTS:**

**UNUSUAL FIRE AND EXPLOSION HAZARDS** Not Available

**SENSITIVITY TO STATIC DISCHARGE** Not Available

**SENSITIVITY TO MECHANICAL IMPACT:** Not Available

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

**Leak and Spill Procedure:** Spill, Leak or Release: Review Fire and Explosion Hazards and Safety Precautions before proceeding with clean up. Use appropriate Personal Protective Equipment during clean up. Wear self contained breathing apparatus and chemical proof suit. Soak up small spills with earth, sand or other non combustible absorbent material and remove in covered metal containers. Dike large spills and neutralize with dilute (5%) solutions of ammonia, sodium sulfite or sodium bisulfite and remove. Flush area with plenty of water. Comply with Federal, State and local regulations on reporting releases

**SECTION 07: HANDLING AND STORAGE****Handling Procedures and Storage Requirements**

Keep container closed. Keep away from heat and flame. Store in a heated tank or warm room, above minimum storage temperature 12C.

**SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS**

**GLOVES/TYPE:** Neoprene, nitrile, butyl, or polyvinyl gloves, coveralls with long sleeves

**RESPIRATOR/TYPE:** Use NIOSH/MSHA respirator

**EYE/TYPE:** Splash Goggles, Full length face shield

**OTHER/TYPE:** Not Available Rubber boots.

**ENGINEERING CONTROL** If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria. The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and Remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL STATE/APPEARANCE:</b>	Liquid (Clear Colorless)	<b>ODOUR THRESHOLD:</b>	N. Av.
<b>ODOUR:</b>	Pungent	<b>VAPOUR DENSITY (Air=1):</b>	~1
<b>VAPOUR PRESSURE (mm Hg @ 20C):</b>	20-26 mm Hg	<b>SPECIFIC GRAVITY:</b>	1.08-1.13
<b>EVAPORATION RATE (Ether = 1):</b>	>1	<b>FREEZING POINT (C)</b>	N. Av.
<b>BOILING POINT (C):</b>	94.3-100 C	<b>% VOLATILE (WT):</b>	N. Av.
<b>Ph (% SOLUTION):</b>	2.0-4.0		
<b>SOLUBILITY IN WATER (% W/W)</b>	100 WT %		

**SECTION 10: STABILITY AND REACTIVITY**

**CHEMICALLY STABLE?** Yes

**IF NO, UNDER WHICH CONDITIONS?** Normally stable, but may become unstable at high temperatures.

**INCOMPATIBILITY WITH OTHER SUBSTANCES** Yes

**IF YES, WITH WHICH ONES:** Incompatible with strong oxidizing agents, caustics, strong alkalis, isocyanates, anhydrides, oxides and inorganic acids.

**SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS** Formaldehyde reacts with hydrochloric acid to form the potent carcinogen, bis-chloromethyl ether. Formaldehyde

reacts with nitrogen dioxide, nitromethane, perchloric acid and aniline or peroxyformic acid to yield explosive compounds. A violent reaction occurs when formaldehyde is mixed with strong oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:****SECTION 11: TOXICOLOGICAL INFORMATION**

<b>EXPOSURE LIMIT OF MATERIAL</b>	N. Av.
<b>LC 50 OF MATERIAL, SPECIES AND ROUTE</b>	See Sec. 2
<b>LD 50 OF MATERIAL, SPECIES AND ROUTE</b>	See Sec. 2
<b>CARCINOGENICITY OF MATERIAL</b>	N. Av.
<b>REPRODUCTIVE EFFECTS:</b>	N. Av.
<b>IRRITANCY OF MATERIAL</b>	See Sec. 3
<b>SENSITIZING CAPABILITY OF MATERIAL</b>	May cause allergic skin reaction.
<b>SYNERGISTIC MATERIALS</b>	N. Av.

**SECTION 12: ECOLOGICAL INFORMATION**

**AQUATIC TOXICITY** The product is readily biodegradable. Bioaccumulation in aquatic organisms is not expected.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Cleaned up material is RCRA hazardous waste. Comply with Federal, State and local regulations.

**SECTION 14: TRANSPORT INFORMATION**

**TDG CLASSIFICATION** Class 8, Formaldehyde Solutions

**UN NUMBER:** 2209

**PACKING GROUP:** III

**Special Provisions for Transport****SECTION 15: REGULATORY INFORMATION**

**WHMIS CLASSIFICATION** B3 D1A D2A D2B E  
 B3- Combustible liquid  
 D1A - Very Toxic Material  
 D2A - Very Toxic Material  
 D2B - Toxic material  
 E - Corrosive Material

**SECTION 16: OTHER INFORMATION**

**ABBREVIATIONS USED:** N.Av. = Not Available  
 N.App. / N.Ap. = Not Applicable

**DISCLAIMER:** Although the information herein is to the best of our knowledge accurate, no guarantee expressed or implied, is made regarding the information or the performance of any product. We assume no liability for incidental or direct damages of any kind, no matter what, including negligence.

**SOURCES:** Supplier MSDS

**For updated copies of an MSDS, please contact Anchem Sales at the address/phone number on Page 1 or fax the MSDS Co-ordinator at (519) 451-4593.**

**LAST PAGE**

Form 074 Issued Mar/06