

# SOLUTIONS CHEMCO INC.

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## MATERIAL SAFETY DATA SHEET

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### SECTION I : PREPARATION INFORMATION

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SUPPLIER / MANUFACTURER:  
SOLUTIONS CHEMCO INC.  
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MATERIAL SAFETY DATA SHEET  
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### SECTION II : PRODUCT INFORMATION

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PRODUCT NAME: **METHYLENE CHLORIDE**

GENERAL / GENERIC NAME: DICHLOROMETHANE  
PRODUCT USE: SOLVENT  
WHMIS CLASSIFICATION: CLASS D ,1B, 2A, 2B  
DSL STATUS: ON DSL

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### SECTION III : HAZARDOUS INGREDIENT ( S)

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INGREDIENT:	%	# CAS	DL-50	CL-50
METHYLENE CHLORIDE	100	75-09-2	1600-RAT	88000-RAT

NOTE: \* RECOMMENDED  
N / E - NOT ESTABLISH N / A - NOT APPLICABLE  
(C) - CEILING VALUE, ( S) - SKIN

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### SECTION IV : PHYSICAL DATA

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INITIAL BOIL-POINT: 39.8 CELCUIIS  
VAPOUR PRESSURE: 400 MMHG  
VAPOUR DENSITY: ( X ) HEAVIER THAN AIR ( - ) LIGHTER THAN AIR  
EVAPORATION RATE: 14.5 ( X ) SLOWER THAN ETHER ( - ) FASTER THAN ETHER  
PHYSICAL STATE: LIQUID  
ODOUR THRESHOLD: 205 – 307 PPM FREEZING POINT : N / A DEG.C. PH: N / A  
SPECIFIC GRAVITY: 1.326  
% VOLATILE: 100 %  
APPEARANCE AND ODOUR:  
CLEAR LIQUID , KETONE ODOUR

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**SECTION V : FIRE & EXPLOSION INFORMATION**

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FLASH POINT: (X) CLOSED CUP (-) N / A (-) OPEN CUP N.A. DEG.C  
FLAMMABLE LIMITS: LFL: 12.0 UFL: 19.0 (-) N / E COMPONENT (-)  
AUTO IGNITION TEMPERATURE: 640 CELCIUS.  
EXTINGUISHING MEDIA: (X) FOAM (X) WATER FOG (X) DRY CHEMICAL (x) CARBON DIOXIDE

HAZARDOUS COMBUSTION PRODUCTS:  
MAY FORM TOXIC MATERIALS:  
CARBON DIOXIDE AND CARBON MONOXIDE, HYDROCHLORIC ACID

FIREFIGHTING PROCEDURES:  
WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE  
OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

SPECIAL FIRE & EXPLOSION HAZARDS:  
VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND  
IGNITED BY PILOT LIGHTS , OTHER FLAMES, SPARKS, HEATERS , SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE,  
OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY)  
BECAUSE PRODUCT ( EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

ALL FIVE GALLON PAILS AND LARGER CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS SHOULD BE  
GROUDED AND / OR BONDED WHEN MATERIAL IS TRANSFERRED.

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**SECTION VI : TOXICOLOGICAL PROPERTIES**

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THRESHOLD LIMIT VALUE:  
SEE SECTION III

EFFECTS OF ACUTE OVEREXPOSURE:

EYES-  
EYES- CAUSES MODERATE IRRITATION , REDNESS , TEARING.

SKIN / SKIN ABSORPTION-  
SKIN - PROLONGED OR REPEATED CONTACT CAUSES SEVERE IRRITATION, DEFATTING , DERMATITIS.

BREATHING-  
BREATHING - EXCESSIVE INHALATION OF VAPORS MAY CAUSE NASAL AND RESPIRATOTY IRRITATION.

SWALLOWING-  
SWALLOWING- CAN CAUSE GASTROINTESTINAL IRRITATION , NAUSEA , VOMITING , AND DIARRHEA.

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**SECTION VII :****FIRST AID MEASURES**

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**FIRST AID:****IF ON SKIN-**

THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE.

**IF IN EYES-**

FLUSH WITH LARGE AMOUNTS OF WATER , LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION.

**IF SWALLOWED-**

DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

**IF BREATHED-**

IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT , ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM , QUIET , AND GET MEDICAL ATTENTION.

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**SECTION VIII:****REACTIVITY DATA**

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**HAZARDOUS POLYMERIZATION:**

CANNOT OCCUR.

**STABILITY :**

STABLE.

**INCOMPATIBILITY :****AVOID CONTACT WITH:**

STRONG OXIDIZING AGENTS.

STRONG ALKALIES.

STRONG MINERAL ACIDS.

**HAZARDOUS DECOMPOSITION PRODUCTS :**

NOT APPLICABLE

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**SECTION IX :****PREVENTIVE MEASURES**

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## PREVENTIVE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED :

**SMALL SPILL :**

ABSORB LIQUID ON PAPER , VERMICULITE , FLOOR ABSORBENT , OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.

**LARGE SPILL:**

ELIMINATE ALL IGNITION SOURCES ( FLARES , FLAMES INCLUDING PILOT LIGHTS , ELECTRICAL SPARKS) PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE , DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND , CLAY , EARTH, FLOOR ABSORBENT , OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS.

**WASTE DISPOSAL METHOD:****SMALL SPILL:**

DISPOSE OF IN ACCORDANCE WITH ALL LOCAL , PROVINCIAL AND FEDERAL REGULATIONS.

**LARGE SPILL:**

DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

**RESPIRATORY PROTECTION:**

IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION III), A NIOSH / MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH / MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS ( SEE YOUR SAFETY EQUIPMENT SUPPLIER) . ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

**VENTILATION:**

PROVIDE SUFFICIENT MECHANICAL ( GENERAL AND / OR LOCAL EXHAUST ) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV (S) .

**PROTECTIVE GLOVES:**

WEAR RESISTANT GLOVES SUCH AS:

NEOPRENE

**EYE PROTECTION :**

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER , OSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES. ( CONSULT YOUR SAFETY EQUIPMENT SUPPLIER)

**OTHER PROTECTIVE EQUIPMENT :**

TO PREVENT REPEATED OR PROLONGED SKIN CONTACT , WEAR IMPERVIOUS CLOTHING AND BOOTS.

**SHIPPING INFORMATION**

SHIPPING NAME : METHYLENE CHLORIDE

CLASS; 6.1

UN NUMBER : 1593

PACKING GROUP : III

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PREVENTIVE MEASURES

PRODUCT DISPOSAL INFORMATION

THIS PRODUCT MAY BE CLASSIFIED AS A LIQUID INDUSTRIAL WASTE OR A REGISTERABLE SOLID WASTE AND MAY BE SUBJECT TO WASTE GENERATOR REQUIREMENTS.

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES ( VAPOR, LIQUID, AND / OR SOLID) ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

METAL AND PLACTIC CONTAINERS MAY BE RECYCLED. PLEASE CONTACT YOUR DRUM RECONDITIONER FOR FURTHER INFORMATION.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE , AND SUITABLE TO THEIR CIRCUMSTANCES.

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