

**MATERIAL SAFETY DATA SHEET**

Printed: 4/6/10

ETHYL MERCAPTAN**PRODUCT IDENTIFICATION AND USE**

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PRODUCT IDENTIFIER: ETHYL MERCAPTAN
PRODUCT CODE: ORG901
PRODUCT USE: GAS ODOURANT
WHMIS CLASSIFICATION: B2 - FLAMMABLE LIQUID.

HAZARDOUS INGREDIENTS

	%W/W	CAS #	TLV
ETHYL MERCAPTAN	99.3	75-08-1	ACGIH TWA = 0.5 PPM

LD50: 682 MG/KG (ORAL-RATS)
LD50: >2,000 MG/KG (DERMAL RABBITS)
LC50: 4,420 PPM (4-HR INHALATION – RAT))

ADDITIONAL INGREDIENT INFORMATION (WHMIS NOT CONTROLLED):
NA

PHYSICAL DATA

PHYSICAL STATE: LIQUID
ODOUR AND APPEARANCE: WATER WHITE LIQUID, GASSY OR MERCAPTAN ODOUR.
ODOUR THRESHOLD: 0.4 PPB
SPECIFIC GRAVITY/DENSITY (G/ML): 0.839 @ 20°C
VAPOUR PRESSURE: 535 HPA @ 20°C CALCULER
VAPOUR DENSITY (AIR=1): 2.1
VOLATILITY/VOL(%): 100
SOLUBILITY IN H2O: 6.8 G/L @ 20°C
EVAPORATION RATE: NE
BOILING POINT: 35°C
FREEZING POINT: -148°C
PH: NE
LOG KOW: 1.2 (LOG POW)

SHIPPING INFORMATION

UN 2363, 3, I, ETHYL MERCAPTAN.

FIRE AND EXPLOSION HAZARD

FLAMMABILITY: EXTREMELY FLAMMABLE.
CONDITIONS: HEAT, SPARKS, OPEN FLAME.
MEANS OF EXTINCTION: WATER SPRAY, CARBON DIOXIDE, FOAM, DRY CHEMICAL.
FLASHPOINT: -45°C (D3278)
UPPER EXPLOSION LIMIT (% V): 18
LOWER EXPLOSION LIMIT (%V): 2.8
AUTO-IGNITION TEMPERATURE: 300°C (572°F)
HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON, SULFUR OXIDES
EXPLOSION DATA: NE
SENSITIVITY TO IMPACT: NO

NA - NOT APPLICABLE

NE - NOT ESTABLISHED

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SENSITIVITY TO STATIC DISCHARGE: YES

REACTIVITY

CHEMICAL STABILITY:	STABLE
INCOMPATIBLE MATERIALS:	STRONG OXIDIZING AGENTS.
CONDITIONS OF REACTIVITY:	NE
HAZARDOUS DECOMPOSITION PRODUCTS:	NE

HEALTH HAZARD INFORMATION**ROUTE OF ENTRY**

SKIN CONTACT:	MAY CAUSE IRRITATION.
SKIN ABSORPTION:	NE
EYE:	MAY CAUSE IRRITATION.
INGESTION:	MAY BE HARMFUL IF SWALLOWED.
INHALATION:	CAUSES NAUSEA, HEADACHE, DIZZINESS AND RESPIRATORY TRACT IRRITATION.

ACUTE OVER EXPOSURE EFFECTS:	SEVERE OVER EXPOSURE MAY PRODUCE CONVULSIONS, PARALYSIS OF THE RESPIRATORY CENTER, AND DEATH.
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CHRONIC OVER EXPOSURE EFFECTS:	NE
SENSITIZATION:	DOES NOT MEET WHMIS CRITERIA.
CARCINOGENICITY:	DOES NOT MEET WHMIS CRITERIA.
TERATOGENICITY:	DOES NOT MEET WHMIS CRITERIA.
MUTAGENICITY:	DOES NOT MEET WHMIS CRITERIA.
REPRODUCTIVE TOXICITY:	DOES NOT MEET WHMIS CRITERIA.

PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:	WEAR SAFETY GOGGLES AND USE IMPERVIOUS GLOVES. USE A NIOSH APPROVED RESPIRATOR WITH AN ORGANIC VAPOUR CARTRIDGE.
SPECIFIC ENGINEERING CONTROLS:	LOCAL EXHAUST IS RECOMMENDED.
LEAK AND SPILL PROCEDURES:	ABSORB WITH INERT MATERIAL. NEUTRALIZE UNABSORBED MATERIAL WITH HOUSEHOLD BLEACH SOLUTION. DO NOT USE SOLID BLEACH AS VIOLENT REACTION OR FIRE MAY OCCUR. PLACE IN CONTAINER AND SEAL.
WASTE DISPOSAL:	HAZARDOUS WASTE. DO NOT ALLOW PRODUCT TO ENTER THE ENVIRONMENT. CONSULT FEDERAL OR LOCAL AUTHORITIES FOR APPROVED DISPOSAL METHODS.
HANDLING PROCEDURES AND EQUIPMENT:	WASH BEFORE EATING, DRINKING AND USING TOBACCO.
STORAGE REQUIREMENTS:	KEEP IN A CLOSED, LABELED CONTAINER IN A VENTILATED AREA.

FIRST AID MEASURES

EYE	FLUSH EYES WITH LARGE AMOUNT OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. SEEK MEDICAL ATTENTION.
SKIN	WASH SKIN WITH WATER AND SOAP. SEEK MEDICAL ATTENTION IF IRRITATION OCCURS OR PERSISTS.
INGESTION	DO NOT GIVE LIQUIDS IF PERSON IS UNCONSCIOUS OR VERY DROWSY. OTHERWISE GIVE TWO GLASSES OF WATER OR MILK AND SEEK IMMEDIATE MEDICAL ATTENTION.

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NE - NOT ESTABLISHED



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INDUCE VOMITING.
INHALATION REMOVE PERSON TO FRESH AIR IMMEDIATELY. IF BREATHING HAS STOPPED, APPLY ARTIFICIAL RESPIRATION AND ADMINISTER OXYGEN IF NECESSARY. SEEK MEDICAL ATTENTION.

PREPARATION DATE	
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PREPARED BY:	TECHNICAL DEPARTMENT
PHONE NUMBER OF PREPARER:	(800) 567-5726
DATE PREPARED (MM/DD/YY):	08/23/94
DATE REVISED (MM/DD/YY):	04/06/10

MINIMUM CONTACT WITH THIS AND ALL CHEMICALS IS RECOMMENDED AS A GOOD GENERAL POLICY TO FOLLOW.

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