

METHANOL

MSDS Number

BXBZD

National Stock Number

6810-00-224-8353

Product Name

METHANOL

Manufacturer

ALBERTA GAS CHEMICALS LTD

Product Identification

Product ID:METHANOL
MSDS Date:11/05/1985
FSC:6810
NIIN:00-224-8353
MSDS Number: BXBZD

Responsible Party

ALBERTA GAS CHEMICALS,LTD.
MEDICINE HAT,ALBERTA
CA

Emergency Phone: 403-527-8141

Info Phone: 403-527-8141

Cage: 2R200

Contractor

ALBERTA GAS CHEMICALS LTD.
MEDICINE HAT ALBERTA CANADA T1A 7H1
403-527-8141
Cage: 2R200

Ingredients

METHYL ALCOHOL (METHANOL) (SARA 313) (CERCLA)
CAS: 67-56-1
RTECS: PC1400000
Fraction By Weight: 99.85%
OSHA PELS, 200 PPM
ACGIH TLV: S,200PPM/250STEL; 95
EPA Report Quantity: 5000 LBS
DOT Report Quantity: 5000 LBS

Hazards

LD50 LC50 Mixture:LD50 (ORAL RAT) IS 13000 MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:**TOXIC:1-4OZ MAY CAUSE DEATH**
EYES:MAY CAUSE IRRITATION.SKIN:MAY CAUSE DRYNESS.INGEST:MAY CAUSE
BLINDNESS OR DEATH.INHAL:MAY CAUSE RESPIRATORY
IRRITATION.CHRONIC:EFFECTS OF METHANOL POISONING ARE CU
MULATIVE.THEY AFFECT THE CNS,ESPECIALLYTHE OPTIC NERVE.SYMPTOMS MAY
APPEAR 9-36HRS FOLLOWING EXPOSURE.

Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of

Overexposure:INGEST:DIZZINESS,HEADACHE,NAUSEA.SKIN:DERMATITIS.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING RESPIRATORY AILMENTS(EG.EMPHYSEMA OR BRONCHITIS) MAY BE AT INCREASED RISK FROM EXPOSURE.

First Aid

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH SOAP AND WATER.EYES:FLUSH WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.GET MEDICAL ATTENTION.INGEST:GET PROMPT QUALIFIED MEDICAL ATTENTION.IF CONSCIOUS,GIVE WATER OR MILK AND INDUCE VOMITING.HMIS SUGGESTS IF MEDICAL ASSISTANCE IS DELAYED,GIVE HARD LIQUOR(BLOCKS METHANOL AT LIVER DEHYDROGENASE).

Fire Fighting

Flash Point Method:TCC

Flash Point:=-11.1C, 52.F

Autoignition Temp:=-385.C, 725.F

Lower Limits:6

Upper Limits:36

Extinguishing Media:PURPLE K, DRY CHEMICAL POWDER, AFFF(AQUEOUS FILM FORMING FOAM), ALCOHOL RESISTANT TYPE W/6% FOAM PROPORTIONING, CO*2

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard:**CLASS 1B FLAMMABLE LIQUID** WATER MAY BE AN INEFFECTIVE EXTINGUISHANT.VAPORS HEAVIER THAN AIR;TRAVEL DISTANCES ALONG THE GROUND AND FLASHBACK.FUMES ARE TOXIC.

Accidental Release

Spill Release Procedures:ELIMINATE SOURCES OF IGNITION.USE PROPER RESPIRATORY AND PROTECTIVE EQUIPMENT. VENTILATE AREA.SOAK UP WITH A NON-COMBUSTIBLE INERT ABSORBANT(CLAY,SAND);PLACE IN PROPER CONTAINER FOR DISPOSAL.AVOID CONTAMINATION OF SEWER OR WATERWAYS. Neutralizing Agent:NOT APPLICABLE.

Handling

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA.DONOT STORE ABOVE 120F.KEEP AWAY FROM HEAT,SPARKS,FLAMES.KEEP CONTAINERS CLOSED.GROUND WHEN TRANSFERRING.

Other Precautions:DO NOT TAKE INTERNALLY.DO NOT BREATHE MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR.AVOID CONTACT WITH EYES.USE WITH ADEQUATE VENTILATION.WASH THOROUGHLY AFTER HANDLING.FOR INDUSTRIAL USE ONLY. DO NOT STORE IN ALUMINUM OR ZINC.

Exposure Controls

Respiratory Protection:WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A SELF-CONTAINED BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST RECOMMENDED(EXPLOSION-PROOF). MECHANICAL (GENERAL) IS NOT RECOMMENDED AS THE SOLE MEANS OF VENTILATION.

Protective Gloves:CHEMICALLY RESISTANT

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:PROTECTIVE CLOTHING,INCLUDING GLOVES,APRON,SLEEVES,BOOTS,HEAD AND FACE PROTECTION. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.PROMPTLY REMOVE CONTAMINATED CLOTHING AND WASH THOROUGHLY BEFORE REUSE.SHOWER AFTER WORK.

Supplemental Safety and Health

POISON DO NOT TAKE INTERNALLY.CARBON STEEL IS SATISFACTORY MATERIAL OF CONSTRUCTION FOR STORAGE. ODOR THRESHOLD IS 55 PPM IN AIR.ODOR IS NOT A GOOD INDICATOR OF EXPOSURE LEVEL.

Chemical Properties

HCC:F5
NRC/State Lic Num:NOT RELEVANT
Boiling Pt: =65.C, 149.F
Melt/Freeze Pt: =-97.6C, -144.F
Vapor Pres:96
Vapor Density:1.105
Spec Gravity:0.792
Evaporation Rate & Reference:4.6 (N-BUTYL ACETATE=1)
Solubility in Water:TOTALLY MISCIBLE
Appearance and Odor:LIQUID,CLEAR;COLORLESS;ALCOHOL ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES
OF IGNITION
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
FORMALDEHYDE.

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL REGULATIONS.RCRA CODE IS U154.

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