

PROPANE, ID # 0000000004

MSDS Number

BHDDS

National Stock Number

6830-00-261-7445

Product Name

PROPANE, ID # 0000000004

Manufacturer

GREAT PLAINS GAS

Product Identification

Product ID:PROPANE, ID # 0000000004

MSDS Date:05/27/1987

FSC:6830

NIIN:00-261-7445

MSDS Number: BHDDS

Responsible Party

GREAT PLAINS GAS

233 SO. DUFF AVE.

AMES , IA 50010

US

Emergency Phone: 800-424-9300

Info Phone: 515-232-2610 OR 515-597-2664

Cage: OCB81

Contractor

GREAT PLAINS GAS

AMES, IA 50010

US

800-424-9300

Cage: OCB81

Ingredients

PROPANE

CAS: 74-98-6

RTECS: TX2275000

OSHA PEL1000 PPM

ACGIH TLV: ASPHYXIAN; 9192

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:PERSONNEL WITH PRE-EXISTING CHRONIC RESPIRATORY DISEASES SHOULD AVOID EXPOSURE TO THIS MATERIAL.

Effects of Overexposure:IF INHALED CAUSES RAPID BREATHING, HEADACHE, DIZZINESS, VISUAL DISTURBANCES, MUSCULAR WEAKNESS, TREMORS, NARCOSIS, UNCONSCIOUSNESS, AND DEATH. IF CONTACTED WITH EYES CAN CAUSE FREEZE BURNS LEADING TO BLINDNESS. CAN CAUSE DERMAL AND IN-TERNAL FREEZE BURNS DUE TO SOLID AND LIQUID FORMS.

Medical Cond Aggravated by Exposure:PERSONNEL WITH PRE-EXISTING CHRONIC RESPIRATORY DISEASES SHOULD AVOID EXPOSURE TO THIS MATERIAL.

First Aid

First Aid:INHALATION:IMMEDIATELY REMOVE FROM CONTAMINATED AREA TO FRESH AIR. FOR RESPIRATORY DISTRESS, GIVE AIR, OXYGEN, AND/OR ADMINISTER CPR.KEEP VICTIM WARM & QUIET.EYE CONTACT:RINSE IMMEDIATELY WITH WATER . FLUSH EYES WITH WATER FOR 10 - 15 MIN.IF IRRITATION PERSISTS CALL OPTOMETRIST. SKIN CONTACT: FROZEN TISSUE SHOULD BE FLOODED OR SOAKED WITH WARM WATER,NOT HOT.INGESTION:RINSE MOUTH,DRINK MILK/WATER

Fire Fighting

Flash Point:-160F
Lower Limits:2.0%
Upper Limits:9.5%
Extinguishing Media:DRY CHEMICAL, CO2, HALOGENATED EXTINGUISHING AGENT
Fire Fighting Procedures:GAS FIRES SHOULD NOT BE EXTINGUISHED UNLESS THE GAS FLOW CAN BE STOPPED IMMED. SHUT OFF GAS FLOW AND ALLOW FIRE TO BURN ITSELF OUT.WATER COOL EXPOSED EQUIPMENT
Unusual Fire/Explosion Hazard:GAS FORMS FLAMMABLE MIXTURES WITH AIR.BURNS IN THE OPEN OR BE EXPLOSIVE IN CONFINED SPACES.
FLASHBACKS ARE POSSIBLE. ALKANE/CHLORINE GAS MIXTURES = EXPLOSION.

Accidental Release

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION.EVACUATE PERSONNEL.STOP SOURCE OF RELEASE WITH NON-SPARKING TOOLS BEFORE PUTTING OUT ANY FIRE.VENTILATE ENCLOSED AREASWATER SPRAY MAY BE USED TO REDUCE VAPORS. LIQUID SPILLS FORM VAPOR CLOUDS, AVOID VAPOR CLOUDS.

Handling

Handling and Storage Precautions:USE PRESSURE-REDUCING REGULATOR WHEN CONNECTING TO LOWER PRESSURE PIPING SYSTEMS. PREVENT ENTRAPMENT.USE CHECK VALVE TO PREVENT BACK-FLOW.CHAIN CYLINDER.
Other Precautions:STORE/USE GAS CONTAINERS IN WELL-VENTILATED AREAS. STORAGE AREAS SHOULD BE FREE OF DAMPNESS, SALT AND CORROSIVE CHEMICALS AS WELL AS HEAT/IGNITION SOURCES. SEGREGATE FULL/EMPTY CYLINDERS.

Exposure Controls

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS.
Ventilation:LOCAL EXHAUST AND GENERAL ROOM VENTILATION MAY BOTH BE ESSENTIAL IN WORK AREAS TO PREVENT ACCUMULATION EXPL. MIXES.
Protective Gloves:IMPERVIOUS PLASTIC OR NEOPRENE-COATED
Eye Protection:CHEMICAL-TYPE GOGGLES AND FACE SHIELD
Other Protective Equipment:PROTECTIVE GEAR
Work Hygienic Practices:EMERG. EYE WASH FOUNTAINS & SAFETY SHOWERS
Supplemental Safety and Health
NK

Chemical Properties

HCC:G2
Boiling Pt:B.P. Text:-43F
Vapor Pres:*SEE BELOW
Spec Gravity:0.51
Solubility in Water:MODERATE
Appearance and Odor:COLORLESS LIQUID/INVISIBLE VAPOR; FIANT GASSY ODOR

Stability

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS, ALKALIES, AND OXIDIZERS SUCH AS CHLORINE (GAS OR LIQUID) AND OXYGEN.
Stability Condition to Avoid:HEAT, SPARKS, AND OPEN FLAMES
Hazardous Decomposition Products:COMBUSTION MAY PRODUCE CARBON MONOXIDE AND OTHER HARMFUL SUBSTANCES

Disposal

Waste Disposal Methods:WHEN IT BECOMES NECESSARY TO DISPOSE OF GASES,

IT IS PREFERABLE TO DO SO AS A VAPOR. THESE GASES MAYBE USED AS AN AUXILIARY FUEL OR DISPOSED OF BY BURNING IN PROPERLY DESIGNED FLARE OR INCINERATOR. VENTING OF GASES TO ATMOSPHERE SHOULD BE AVOIDED.

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