

HILLYARD CHEMICAL -- 413 GUM-GO
MATERIAL SAFETY DATA SHEET
HILLYARD CHEMICALNSN: 685000F014514
Manufacturer's CAGE: 28745
Part No. Indicator: A
Part Number/Trade Name: 413 GUM-GO

General Information

Company's Name: HILLYARD CHEMICAL CO.
Company's Street: 302 N. FOURTH ST.
Company's City: ST. JOSEPH
Company's State: MO
Company's Zip Code: 64501
Company's Emerg Ph #: (800) 255-4564
Company's Info Ph #: (816) 233-1321
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 002
Date MSDS Prepared: 12JAN89
Safety Data Review Date: 05MAR91
Preparer's Company: HILLYARD CHEMICAL CO.
Preparer's St Or P. O. Box: 302 N. FOURTH ST.
Preparer's City: ST. JOSEPH
Preparer's State: MO
Preparer's Zip Code: 64501
MSDS Serial Number: BJVJK

Ingredients/Identity Information

Proprietary: NO
Ingredient: ISOBUTANE, 2-METHYLPROPANE
Ingredient Sequence Number: 01
Percent: 44%
NIOSH (RTECS) Number: TZ4300000
CAS Number: 75-28-5
OSHA PEL: 1800 MG/CUM
ACGIH TLV: 1000 PPM
Other Recommended Limit: 1000 PPM

Proprietary: NO
Ingredient: PROPANE
Ingredient Sequence Number: 02
Percent: 56%
NIOSH (RTECS) Number: TX2275000
CAS Number: 74-98-6
OSHA PEL: 1000 PPM
ACGIH TLV: ASPHYXIAN; 9192
Other Recommended Limit: 1800 MG/CUM

Physical/Chemical Characteristics

Appearance And Odor: CLEAR, COLORLESS, ODORLESS LIQUID IN AEROSOL CAN.
Boiling Point: -42C
Vapor Pressure (MM Hg/70 F): 100
Vapor Density (Air=1): 1.5-2
Specific Gravity: 0.57
Evaporation Rate And Ref: (BU AC = 1): >1
Solubility In Water: SLIGHT

Fire and Explosion Hazard Data

Flash Point: -156F
Flash Point Method: TCC
Lower Explosive Limit: 1.9%
Upper Explosive Limit: 9.5%
Extinguishing Media: CO2, FOAM, FOG, HALON, WATERSPRAY
Special Fire Fighting Proc: USE WATER SPRAY TO KEEP EXPOSED CONTAINERS COOL & VAPORS DOWN. WEAR SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire And Expl Hazrds: AEROSOL CONTAINER MAY BURST IF HEATED >130F. EXTREMELY FLAMMABLE CONTENTS.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): HEAT >130F, IGNITION SOURCES, SPARKS & OPEN FLAME.
Materials To Avoid: STRONG OXIDIZERS
Hazardous Decomp Products: CO, CO
Hazardous Poly Occur: NO

Health Hazard Data

Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: INHALATION: ANESTHETIC, ASPHYXIAN, DISORIENTATION, LACK OF COORDINATION, EXCITATION, HEADACHE, NAUSEA, NERVOUS SYSTEM EFFECTS. SKIN/EYE: LIQUID OR GAS MAY CAUSE BURNING. INGESTION: GAS UNDER NORMAL ATMOSPHERIC CONDITIONS.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: INHALATION: UNCONSCIOUSNESS, COMA, SUFFOCATION. USE PROPER CHEMICAL HYGIENE TO AVOID THESE HAZARDS.
Med Cond Aggravated By Exp: SKIN DISORDERS
Emergency/First Aid Proc: EYE: FLUSH W/PLENTY OF WATER AT LEAST 15 MINUTES. SKIN: FLUSH OR IMMERSE AREA IN LUKEWARM WATER. KEEP WARM & STIMULATE CIRCULATION W/MASSAGE. INHALATION: REMOVE TO FRESH AIR, ADMINISTER ARTIFICIAL RESPIRATION. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: ISOLATE & VENTILATE AREA. REMOVE OR ELIMINATE ALL IGNITION SOURCES. WEAR PROTECTIVE GEAR AS NEEDED, LET EVAPORATE.
Waste Disposal Method: CONSULT LOCAL, STATE & FEDERAL REGULATIONS. DON'T PUNCTURE OR INCINERATE. REPLACE CAP ON EMPTY CONTAINER, WRAP & DISCARD IF ALLOWED BY RELEVANT STATUTES.
Precautions-Handling/Storing: STORE IN COOL <120F, DRY LOCATION. DIRECT SPRAY AWAY FROM FACE. AVOID INHALING MIST & VAPORS. CONTENTS UNDER PRESSURE.
Other Precautions: KEEP AWAY FROM HEAT, SPARKS/OPEN FLAME. KEEP OUT OF THE REACH OF CHILDREN. REPLACE CAP WHEN NOT IN USE. DON'T CONTAMINATE WATER, FOOD, OR FEEDSTUFFS BY USE OR STORAGE. DON'T INCINERATE & PUNCTURE CONTAINERS.

Control Measures

Respiratory Protection: NOT USUALLY NECESSARY. USE W/ADEQUATE VENTILATION

Ventilation: MECHANICAL: ACCEPTABLE. DON'T EXCEED PELS & TLV
Protective Gloves: NOT USUALLY NECESSARY
Eye Protection: SAFETY GLASSES, FACESHIELD
Other Protective Equipment: AS NEEDED TO PREVENT ANTICIPATED BODY CONTACT,
APRON, BOOTS, ETC.
Work Hygienic Practices: WASH W/SOAP & WATER BEFORE EATING, DRINKING,
USING RESTROOM, ETC.

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Transportation Data

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Disposal Data

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Label Data

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Label Required: YES
Label Status: G
Common Name: 413 GUM-GO
Special Hazard Precautions: INHALATION: ANESTHETIC, ASPHYXIAN, DISORIENTATION, LACK OF COORDINATION, EXCITATION, HEADACHE, NAUSEA, NERVOUS SYSTEM EFFECTS. SKIN/EYE: LIQUID OR GAS MAY CAUSE BURNING. INGESTION: GAS UNDER NORMAL ATMOSPHERIC CONDITIONS. INHALATION: UNCONSCIOUSNESS, COMA, SUFFOCATION. USE PROPER CHEMICAL HYGIENE TO AVOID THESE HAZARDS.
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Label Emergency Number: (800) 255-4564