

## MATERIAL SAFETY DATA SHEET

REVISION DATE: Nov-2004



# Wall Lenk Corporation

## EMERGENCY TELEPHONE NUMBERS:

(800) 424-9300 CHEMTREC

5-41873  
5-41872

(APPROVED BY U.S. DEPARTMENT OF LABOR ESSENTIALLY SIMILAR TO FORM 158-005-4)  
INFORMATION ON THIS FORM IS FURNISHED SOLELY FOR THE PURPOSES OF COMPLIANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AND SHALL NOT BE USED FOR ANY OTHER PURPOSE. USE OR DISSEMINATION OF ALL OR ANY PART OF THIS INFORMATION FOR ANY OTHER PURPOSE OR PURPOSES IS ILLEGAL.

PRODUCT NAME: **65F Butane Fuel****SECTION I PRODUCT IDENTIFICATION**

CAS REGISTRY #: 68476-86-8  
CHEMICAL FAMILY: PARAFFIN SERIES HYDROCARBON  
CHEMICAL NAME: ISOBUTANE (75 WGT%) / n-BUTANE (25 WGT%)  
CHEMICAL FORMULA: C<sub>4</sub>H<sub>10</sub>

**SECTION II HAZARDOUS COMPONENTS**

INGREDIENT	PERCENT	TLV (PPM)
LIQUEFIED PETROLBUM GAS	100	1000

\*\*\* PHYSICAL HAZARD DUE TO FLAMMABLE NATURE. FLAMMABLE WHEN COMBINED WITH AIR. \*\*\*

**SECTION III PHYSICAL DATA**

BOILING RANGE: 15.5 TO +31.1 F  
VAPOR PRESSURE @ 70 DEG F: 28 PSIG  
VAPOR DENSITY (AIR = 1.00): 2.006  
SPECIFIC GRAVITY (H<sub>2</sub>O = 1.00): 0.569  
PERCENT VOLATILE BY VOLUME: 100%  
SOLUBILITY IN WATER @ 70 °F: 0.008%

EVAPORATION RATE: > 1 (ETHYL ETHER = 1.0)  
APPEARANCE & ODOR: CLEAR, COLORLESS LIQUEFIED GAS WITH SWEET PETROLEUM ODOR.

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD): -117 F (ESTIMATED)  
LOWER EXPLOSION LIMIT: 1.8% (VOL.) GAS IN AIR  
UPPER EXPLOSION LIMIT: 8.5% (VOL.) GAS IN AIR  
EXTINGUISHING MEDIA: DRY CHEMICAL EXTINGUISHER (B-C), WATER

**SPECIAL FIRE FIGHTING PROCEDURES**

STOP THE RELEASE OF MATERIALS IF POSSIBLE. COOL THE VAPOR SPACE OF THE STORAGE CONTAINER WITH WATER SPRAY. AVOID ACCUMULATION OF UNBURNED MATERIALS. REMOVE PERSONNEL IN GENERAL AREA. OBSERVE MAXIMUM ISOLATION WHEN EXTINGUISHING FIRE. EXPANSION OF LIQUID AND CHANGE OF STATE FROM LIQUID TO VAPOR WILL ALLOW COMBUSTIBLE MIXTURE TO ENCOMPASS A LARGE AREA.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION SYSTEMS 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.

P.O. Box 3340 Kinston, NC 28502

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**SECTION V HEALTH HAZARD DATA****EFFECTS OF OVEREXPOSURE**

INGESTION- ASPIRATION HAZARD!  
INHALATION- INHALATION OF VAPOR MAY PRODUCE ANESTHETIC EFFECTS AND FEELING OF EUPHORIA. PROLONGED OVEREXPOSURE CAN CAUSE RAPID BREATHING, HEADACHE, DIZZINESS, NARCOSIS, UNCONSCIOUSNESS, AND DEATH FROM ASPHYXIATION, DEPENDING ON CONCENTRATION AND TIME OF EXPOSURE.  
SKIN CONTACT- CONTACT WITH EVAPORATING LIQUID CAN CAUSE FROSTBITE.  
EYE CONTACT- LIQUID CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION, AND POSSIBLE FREEZE BURNS.

**EMERGENCY FIRST AID PROCEDURES**

INGESTION- DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN IMMEDIATELY.  
INHALATION- REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, RESTORE BREATHING AT ONCE. ADMINISTER OXYGEN AND GET MEDICAL HELP.  
SKIN CONTACT- FOR LIQUID CONTACT, WARM AREAS GRADUALLY AND GET MEDICAL ATTENTION IF THERE IS EVIDENCE OF TISSUE DAMAGE. FLUSH AREA WITH PLENTY OF WATER.  
EYE CONTACT- FOR LIQUID CONTACT, IRRIGATE WITH RUNNING WATER FOR MINIMUM OF 15 MINUTES. CONSULT PHYSICIAN IMMEDIATELY IF FROSTBITE OCCURS.

**SECTION VI REACTIVITY DATA**

STABILITY:	STABLE
HAZARDOUS POLYMERIZATION:	CAN NOT OCCUR
INCOMPATIBILITY (MATERIALS TO AVOID):	NONE
HAZARDOUS DECOMPOSITION PRODUCTS:	CARBON MONOXIDE, VOLATILE HYDROCARBON VAPORS
CONDITIONS TO AVOID:	HIGH HEAT, SPARK, AND OPEN FLAMES

**SECTION VII SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

AVOID SOURCES OF IGNITION - VENTILATE AREA. USE WATER FOG TO EVAPORATE OR VENTILATE. PROTECT BODY AGAINST CONTACT WITH LIQUID. IF CONFINED SPACE - USE SELF CONTAINED BREATHING APPARATUS. CONSULT LOCAL FIRE AUTHORITIES.

**WASTE DISPOSAL**

- (1) MECHANICAL RECOVERY
- (2) FLARE-OFF AT SAFE LOCATION (VAPORS)
- (3) EXHAUST TO ATMOSPHERE IN SAFE LOCATION (NO OPEN FLAMES)

\*\* COMPLY WITH ALL STATE AND LOCAL REGULATIONS \*\*

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## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.  
 PROTECTIVE GLOVES: IMPERVIOUS, INSULATED GLOVES RECOMMENDED  
 EYE PROTECTION: FACE SHIELD OR GOGGLES RECOMMENDED  
 OTHER: IMPERVIOUS CLOTHING FOR PROLONGED OR REPEATED CONTACT

### VENTILATION

MECHANICAL: PROVIDE AS NEEDED TO KEEP CONCENTRATION IN AIR BELOW TLV AND LEL  
 LOCAL EXHAUST: CONTINUOUS VENTILATION RECOMMENDED  
 SPECIAL: EXPLOSION PROOF FANS AND MOTORS

## SECTION IX SPECIAL PRECAUTIONS

COMPLY WITH STATE AND LOCAL REGULATIONS COVERING LIQUEFIED PETROLEUM GASES.  
 COMPLY WITH NFPA PAMPHLET #58.  
 STORE SMALL CONTAINERS IN WELL-VENTILATED AREAS, AWAY FROM HEAT OR SOURCES OF IGNITION. PROHIBIT SMOKING IN AREAS OF STORAGE OR USE.

## SECTION X MISCELLANEOUS INFORMATION

### TRANSPORT INFORMATION

PETROLEUM GASES, LIQUEFIED

2.1, FLAMMABLE GAS, UN1075  
LABELED / PLACARDED FLAMMABLE GAS

### NPCA - HMIS RATINGS

HEALTH	0
REACTIVITY	0
PERSONAL PROTECTION	-

(PERSONAL PROTECTION INFORMATION TO BE SUPPLIED BY THE USER)

### REGULATORY INFORMATION

THE INGREDIENTS LISTED IN SECTION 2 ARE REPORTED/INCLUDED IN THE U.S. TSCA INVENTORY AND CANADIAN DOMESTICS SUBSTANCE LIST.

THIS PRODUCT IS DEFINED BY OSHA IN 29 CFR 1910.1200 AS A FLAMMABLE GAS. USE OF THIS PRODUCT MAY REQUIRE COMPLIANCE WITH 29 CFR 1910.119, PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS.

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