MATERIAL SAFETY DATA SHEET
POWER MAX FUEL

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SECTION I - IDENTIFICATION

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COMPANY

AIROSOL COMPANY, INC.
1101 ILLINOIS ST.
NEODESHA, KS 66757
620-325-2666 P
620-325-2601 F

TRANSPORTATION EMERGENCIES: CALL CHEMTREC
800-424-9300 CONTINENTAL U.S.

HEALTH EMERGENCIES: CALL YOUR LOCAL POISON INFORMATION CENTER.

PRODUCT CODE: **9700717C, 9700730C, 9700730E, 9700730J, 9700733J, 9700A7170, 9700A7300, 9700A730C**

EFFECTIVE DATE: 4/5/2007

SUPERSEDES ISSUE DATED

PRODUCT NAME & CAS NUMBER

LIQUEFIED PETROLEUM GAS BLEND
CAS NUMBER - SEE SECTION II

SYNONYMS: Liquefied Petroleum Gas (LPG)

HAZARD RANKING:

0 = LEAST
1 = SLIGHT
2 = MODERATE
3 = HIGH
4 = EXTREME

NFPA HAZARD CLASS:		HMIS HAZARD CLASS:	
HEALTH HAZARD	=1	HEALTH	=1
FLAMMABILITY	=4	FLAMMABILITY	=4
REACTIVITY	=0	REACTIVITY	=0
		P.P.E.	=-

TRADE NAME: POWER MAX FUEL

CHEMICAL FAMILY: PETROLEUM HYDROCARBON, ALKANE

CHEMICAL NAME/FORMULA:

PROPANE	C_3H_8
N. BUTANE	C_4H_{10}

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SECTION II - INGREDIENTS

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COMPONENTS	PERCENT	TLV (UNITS)	PRODUCT CAS #
PROPANE, VOLUME	35 %	ACGIH TLV 2,500 PPM OSHA PEL 1,000 PPM	74-98-6
N. BUTANE, VOLUME	65%	ACGIH TLV 800 PPM OSHA PEL 800 PPM	106-97-8
ETHYL MERCAPTAN	<.2	ACGIH TLV .05 PPM	75-08-1

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SECTION III - PHYSICAL DATA

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APPROXIMATE BOILING POINT	-43.7F.
FREEZING POINT	BELOW -217.0F.
VOLATILITY/VOLUME %	100%
MELTING POINT	N/A
VAPOR PRESSURE (mm Hg)	APPROXIMATELY 50 psig @ 70F.
VAPOR DENSITY (AIR=1)	GREATER THAN 1.5% BY WEIGHT @ 70F.
SOLUBILITY IN H20	LESS THAN 0.1% BY WEIGHT @ 70F.
APPEARANCE/ODOR	APPEARANCE: CLEAR, COLORLESS ODOR: MERCAPTON
SPECIFIC GRAVITY (H20=1)	0.5580 WEIGHT PER GALLON @ 60F.: 4.64 LBS. MOLECULAR WEIGHT: N/A
EVAPORATION RATE	GAS
PH	N/A

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT	-156 F.
LOWER EXPLOSIVE LIMIT	1.8
UPPER EXPLOSIVE LIMIT	9.5
EXTINGUISH MEDIA	If feasible, stop flow of gas. Use water to cool fire-exposed tanks, surroundings and to protect personnel working on shut off. Water spray, dry powder or carbon dioxide can be directed at flame area, if gas flow cannot be stopped, to reduce fire intensity. DO NOT COMPLETELY EXTINGUISH FLAME UNLESS GAS FLOW IS SHUT OFF!

FIRE & EXPLOSION HAZARDS This product presents an extreme fire hazard. Liquid very quickly evaporates, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches.

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus against the hazardous effects of normal products of combustion of oxygen deficiency. Petroleum gases are heavier than air and travel along the ground or into drains to possible distant ignition sources, causing an explosive flashback.

COMBUSTION PRODUCTS:
Normal combustion forms carbon monoxide.

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SECTION V - HEALTH HAZARDS

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EMERGENCY *****EMERGENCY*****
CALL YOUR LOCAL POISON INFORMATION CENTER

Inhalation of high concentrations of vapor is harmful and may cause heart irregularities, unconsciousness or death. Intentional misuse can be fatal. Vapor reduces oxygen available for breathing and is heavier than air. Liquid contact can cause frostbite.

TOXICOLOGY INFORMATION

n-BUTANE
Inhalation 4-hour LC_{50}: 658 mg/L in rats
The compound is untested for skin irritancy, is untested for eye irritancy, and is untested for animal sensitization. Toxic effects described in animals from exposure by inhalation include anaesthetic effects, and cardiac sensitization. No animal test reports are available to define carcinogenic, embryotoxic, or reproductive hazards. Test in bacterial or mammalian cell cultures demonstrate no mutagenic activity.

PROPANE
Acute Toxicity Data: The LC_{50} is above 40% volume/volume.

ETHYL MERCAPTAN
The intensity of ethyl mercaptan stench (its odor) may face due to chemical oxidation (in the presence of rust, air or moisture), adsorption or absorption, some people have nasal perception problems and may mask or hide the ethyl mercaptan stench. While ethyl mercaptan may not impart the warning of the presence of propane in every instance, it is generally effective in a majority of situations.

SPECIAL TOXIC EFFECTS
Acute or chronic overexposure to this material or its components may cause systemic toxicity, including adverse effects to the following: central nervous system and liver.
Contains asphyxiant which may cause reproductive and/or developmental effects in pregnant women.
Pre-existing medical conditions which may be aggravated by exposure include disorders of the respiratory and cardiovascular systems.

PRIMARY ROUTES OF ENTRY/OVEREXPOSURE EFFECTS

EYE CONTACT: The gas phase is not expected to cause eye irritation. However, the liquid can cause frostbite and burns. This hazard evaluation is based on the data from similar materials.

SKIN CONTACT: Contact with the liquefied gas or gas under pressure may cause skin burns and frostbite.

INHALATION (BREATHING) : This product is an asphyxiate and may exhibit anesthetic properties at very high concentrations. Initial symptoms of exposure at these concentrations are disorientation, lack of coordination, rapid respiration, headache, and nausea. Continued exposure may result in unconsciousness, coma, and possible death.

INGESTION: (SWALLOWING) : This material is a gas under normal atmospheric conditions.

FIRST AID PROCEDURES

EYE CONTACT: Flush the eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. Seek immediate medical attention.

SKIN CONTACT: Treat burned or frostbitten skin by flushing or immersing affected areas in lukewarm water. If skin is not burned, keep warm and stimulate circulation with massage. Seek immediate medical attention.

INHALATION (BREATHING) : Remove victim from exposure. If not breathing, or if breathing is difficult, administer artificial respiration and/or oxygen as indicated. Seek immediate medical attention.

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SECTION VI - REACTIVITY DATA

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CHEMICAL STABILITY	Stable when stored as a liquid in steel tanks under its own vapor pressure.
CONDITIONS TO AVOID	Contact with sparks, open flame or any source of ignition.
INCOMPATIBLE MATERIALS	Avoid contact with strong oxidizing agents such as chlorine, permanganates, and dichromates.
DECOMPOSITION PRODUCTS	May produce carbon monoxide when oxidized with a deficiency of oxygen.
HAZARDOUS POLYMERIZATION	Will not occur.
POLYMERIZATION AVOID	Keep separate from oxidizing agents.

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SECTION VII - SPILL OR LEAK PROCEDURE

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PRECAUTIONS IN CASE OF RELEASE OR SPILL	Isolate hazard area and deny entry. Put on full protection clothing and self-contained breathing apparatus before reentering area. Turn off gas flow and remove or eliminate all sources of ignition. Establish ventilation to keep atmospheric concentrations below explosive limits. If liquid gas has not been ignited, dispense with water spray or by flooding. Isolate for 1/2 mile in all directions if tank or tank car is involved in fire. **DOT EMERGENCY RESPONSE GUIDE # 115.**
WASTE DISPOSAL METHOD	Dispose of product in accordance with local, county, state, and federal regulations.

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SECTION VIII - SPECIAL PROTECTION

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RESPIRATORY PROTECTION	Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (NIOSH approved, if available) or supplied air equipment.
VENTILATION	General mechanical ventilation may be adequate for maintaining airborne concentrations below established exposure limits. If general ventilation is inadequate, supplemental local exhaust may be required. Where explosive mixture may be present, systems safe for such locations should be used. Other special precautions, such as respiratory protection, may be required if airborne concentrations cannot be reduced to below the TLV by ventilation.

PROTECTIVE GLOVES	Wear thermally insulated gloves when handling.
EYE PROTECTION	Use protective face shield and chemical goggles when contact with product is possible.
OTHER PROTECTIVE EQUIPMENT	Self-contained respirators should be available for non-routine and emergency situations.
HANDLING AND STORAGE	Store and use cylinders and tanks in well-ventilated areas, away from heat, direct sunlight, and sources of ignition. NO SMOKING IN THE AREAS OF STORAGE OR USE. Electrically bond and ground all lines and equipment. Follow standard procedures for handling cylinders and tanks of flammable, compressed gas. Provide protection against damaging cylinders and tanks. See NFPA #58 and #59 for handling and storage of LPG.

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SECTION IX - SPECIAL REPORTING DATA

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HAZARD CLASS NUMBER	2.1	
DOT SHIPPING NAME	PETROLEUM GAS, LIQUEFIED	DOT-E 11791
DOT NUMBER	UN 1075	
PACKAGING GROUP	N/A	
LABEL	FLAMMABLE GAS	
PLACARD	FLAMMABLE GAS, UN 1075	

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SECTION X – REGULATORY INFORMATION

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All known major components of this product are listed on the TSCA inventory and/or are otherwise in compliance with TSCA. Product and/or components are listed in the Canadian Domestic Substances List.

This product contains one or more substances listed as hazardous, toxic or flammable air pollutant under section 112 of the Clean Air Act. This product contains substances subject to accident prevention regulations when present above the threshold quantities of 10,000 pounds (section 112 (r) of the clean air act). This product contains up to 100% volatile organic compounds (VOCs) per 40 CFR part 51.100.

SARA, TITLE III 302/304: This material is not known to contain extremely hazardous substances.

SARA, TITLE III 311/312 PRODUCT HAZARD CATEGORIES:

Chronic Health	No
Acute Health	Yes
Fire Hazard	Yes
Pressure Hazard	Yes
Reactivity Hazard	No

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