MATERIAL SAFETY DATA SHEET
Finished Product

ELECTRONICS, INC.

Date-Issued: 06/07/2004
MSDS Ref. No: J-300/JT-004
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BUTANE FUEL CONTAINED IN J-300 & JT-004

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: J-300/JT-004
PRODUCT DESCRIPTION: Butane Torch and replacement cartridge containing Butane Fuel
PRODUCT CODE: J-300/JT-004
CHEMICAL FAMILY: Petroleum Hydrocarbon,Alkaline
COMPONENTS:

Material	CAS Number	PEL/TLV. Source	Percent
Isobutane (volume)	75-28-5	Not established	78
n-butane (volume)	106-97-8	800 ppm, OSHA	22

MARKETER
NTE Electronics, Inc.
44 Farrand Street
Bloomfield, NJ 07003
Phone: 973-748-5089

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
CANUTEC: (613) 996-6666
EMERGENCY PHONE:
800-631-1250(8-5pm est)

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2. CHEMICAL AND PHYSICAL PROPERTIES

SOLUBLITY IN WATER (@20C): **< 0.1% /weight**
VAPOR DENSITY: **>2**
SPECIFIC GRAVITY (WATER=1): **0.5676**
BOILING POINT: **approx. –11.7deg F**
PRESSURE IN CAN: **Approx. 28 psig**
EVAPORATION RATE (BuAce=1) **Gas**
APPEARANCE AND ODOR: Liquefied compressed gas, flash evaporated at room temperature when released from can, colorless gas with strong mercaptan(skunk like) odor due to stenching agent to gas for leak detection purposes. ODORLESS

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3. REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY: Contact with sparks, open flame or any source of ignition
NOTE: HAZARDOUS POLYMERIZATION WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: May produce carbon monoxide when oxidized with a deficiency of oxygen.

4. FIRE AND EXPLOSION DATA

FLAMMABILITY CATRGORY: Extremely Flammable (reference – Consumer Product Commission, flame projection test aerosol products, per 16CFR 1500.45

FLASH POINT Less than –117 deg F

FLAMMABLE LIMITS: LEL % 1.8 UEL % 8.4

EXTINGUISHING MEDIA: If feasible stop flow of gas. Use water to cool fired exposed cartridge, and surroundings and to protect personnel working on shut-off. Water spray, dry power 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 HAS BEEN SHUT OFF.

SPECIAL FIRE FIGHTING PROCEDURES: Avoid possible accumulation of vapors at floor level, as vapor is heavier than air. Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. This product is extremely flammable at all times. Keep away from any sources of inadvertent ignition, including heat, sparks, or flame.

UNUSUAL FIRE AND EXPLOSION HAZZARDS: Avoid possible bursting of cartridge. Don not store where temperature may exceed 120 deg. F. Don not puncture or incinerate.

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5. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO TAKE IN CASE OF SPILL: Protect from ignition source, keep away from heat, fire, sparks, or flame. Ventilate area well. Avoid accumulation of vapor at low levels.

WASTE DISPOSAL METHOD: Dispose of at appropriate waste facility in accordance with regulations.

PRECAUTIONS IN STORAGE: Do not store where temperature may exceed 120 deg. F. Store away from fire, sparks, or flame. Store in suitable area for hazardous materials storage.

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6. HEALTH HAZARD DATA

SUGGESTED EXPOSURE GUIDELINE: 800ppm

ROUTE	EFFECT OF OVEREXPOSURE	EMERGENCY FIRST AID PROCEDURE
EYES	The gas phase is not expected to cause eye irritation. However the liquid can frostbite and burns.	Flush with water and call physician.
SKIN	Contact with liquefied gas or gas under pressure may cause skin burns and frostbite.	Treat burned skin or frostbitten skin, by flushing or immersing affected areas in lukewarm water and stimulate circulation with massage. Seek immediate medical attention.
INHALATION	This product is asphyxiate and may exhibit anesthetic properties at very high concentrations. Initial symptoms at these concentrations are disorientation, lack of coordination, rapid respiration, headache, and nausea, Continued exposure may result in unconsciousness, coma, and possible death.	Remove to fresh air. Artificial respiration, consult physician.
CARCINOGENITY	None of the components in this material; are listed by IARC, NTP, OSHA, or ACGIH as carcinogen.	None
INGESTION	NONE	Product is gaseous at normal temperature and pressure. Exhibited no cardiac or pulmonary function abnormalities.

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7. SPRECIAL PROTECTION CONTROL MEASURES

RESPIRATION PROTECTION: If TLV is exceeded wear NIOSH-approved self-contained breathing device or respirator.

PROTECTIE GLOVES: None needed for normal use. Solvent resistant rubber type recommended for prolonged exposure.

VENTILATION TYPE: Must be adequate to maintain vapors at less than 800 ppm, particularly at floor level as vapors are heavier than air.

EYE PROTECTION: Safety glasses or goggles recommended.

SPECIAL PRCAUTIONS: Do not use near heat, flame or sparks,. Avoid excessive breathing of vapor. Do not spray in direction of body. Use only in accordance with directions.

The information contained herein is based on data considered accurate. However, no warranty, expressed or implied, is given regarding the accuracy of these data or the results to be obtained from the use thereof.