BUTANE FUEL CONTAINED IN J-300 & JT-004

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

SUBSTANCE OR PREPARATION Substance
CHEMICAL NAME Acrylonitrile – Butadiene – Styrene Copolymer
CONTENT > 98% (Additives ≤ 2%)
FORMULA (C₃H₃N, C₄H₆, C₈H₈)x
CAS No. 9003-56-9

IMPURITIES CONTRIBUTING TO HAZARD None

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)

2. HAZARD IDENTIFICATION

MOST IMPORTANT HAZARDS None
ADVERSE HUMAN HEALTH EFFECTS None
ENVIRONMENTAL EFFECTS None
PHYSICAL AND CHEMICAL HAZARDS None

3. FIRST AID MEASURES

INHALATION
In case of gases evolving from melted resin, move subject to fresh air. Treat symptomatically.

SKIN CONTACT
In case of pellets or powder, wash with water. In case of melt, wash affected skin area and clothing with plenty of (soap and) water. Seek medical advice.
EYE CONTACT
In case of pellets or powder, flush with plenty of water for at least 15 minutes. Seek medical advice if any dust particles still remain. In case of gases evolving from melted resin of high temperature, flush with plenty of water for at least 15 minutes. Seek medical advice if necessary.

INGESTION
Induce vomiting. Rinse mouth with water. Seek medical advice if necessary.

4. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA  Water, foam, dry chemical powder
SPECIAL FIRE-FIGHTING PROCEDURE  Self contained breathing apparatus
FIRE AND EXPLOSION HAZARDS  None

5. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP  Recovery if not contained or disposal
PERSONAL PRECAUTIONS  Pellets or powder remained on ground may cause slipping
ENVIRONMENTAL PRECAUTIONS  Gather pellets and powder thoroughly to avoid birds or fishes taking from draining water

6. HANDLING AND STORAGE

HANDLING  Prevent from fire around handling area. Maintain good housekeeping standards to prevent accumulation of dust. To avoid dust explosion resulting from the existence of powder, electrostatics eliminators and grounding should be fixed to such equipment as air transferring pipes, bag filters and hoppers. Use electrically conductive filters for bag filters.

STORAGE  Keep the materials at cool, dry place. Protect from direct sunlight, rain, and violent temperature fluctuation. Fire is inhibited around storage area.

7. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE  Off white pellets
MELTING TEMPERATURE  Softening above +100°C
SOLUBILITY  Insoluble in water
SPECIFIC GRAVITY  1.03 ~ 1.10

8. STABILITY AND REACTIVITY

FLAMMABILITY  Yes
FLASH POINT  +404°C
AUTO-IGNITION TEMPERATURE  +466°C
REACTIVITY WITH WATER  No
STABILITY  Stable and non-reactive under normal handling and storage condition
### DUST EXPLOSION

Possible if powder exists

Explosion data for powder (< 145 mesh)
- Lower explosion limit: $45 \text{ g/m}^3$
- Minimum ignition energy: $3.6 \text{ mJ}$
- Maximum explosion pressure: $7 \times 10^5 \text{ Pa}$
- Maximum pressure increase rate: $3 \times 10^7 \text{ Pa/s}$

### THERMAL DECOMPOSITION GASES

Combustion energy

- CO, HCN, AN, SM and NO
- $3.53 \times 10^7 \text{ J/kg (8424 Kcal/kg)}$

---

### 9. TOXICOLOGICAL INFORMATION

**IRRITATION**

Fumes or vapors generated from decomposing resin may be irritant to eyes.

**ACUTE ORAL TOXICITY (LD50)**

Not determined

**MUTAGENICITY**

Not determined

---

### 10. ECOLOGICAL INFORMATION

To avoid being taken by ocean species or birds, disposal of the waste to the ocean and water sources is inhibited.

---

### 11. DISPOSAL CONSIDERATIONS

Controlled incineration or landfill according to local, state, or national laws and regulations concerning health and pollution.

Inadequate incineration may generate toxic gases such as CO, HCN, AN, and SM.

---

### 12. TRANSPORT INFORMATION

Not classified as a dangerous good under transport regulations.

---

### 13. REGULATORY INFORMATION

Not available

---

### MANUFACTURER DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, neither NTE or any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist.