

**GFS CHEMICALS, INC.**  
P.O. Box 245 Powell, OH 43065  
740-881-5501(Tel.) 740-881-5989(Fax)  
1-800-424-9300(Chemtrec 24Hr. Info.)

**MATERIAL SAFETY DATA SHEET**

225

**TETRABUTYLAMMONIUM IODIDE**

**CHEMICAL NAME & SYNONYMS**  
Tetrabutylammonium Iodide;  
TBA Iodide

**DOT CLASS**                      **SARA TITLE 313**  
NR                                      No  
**TSCA listed** - Yes

**FORMULA**  
(C<sub>4</sub>H<sub>9</sub>)<sub>4</sub>NI

**REPORTABLE QUANTITY**  
N/A

**F.W.**  
369.36

**CAS#**  
311-28-4

**PHYSICAL DATA**

Melting point 144-145°C; Sparingly soluble in water; Soluble in alcohols, most organic solvents.

**APPEARANCE & ODOR**

White powder. Slight characteristic amine odor.

**REACTIVITY & CONDITIONS TO AVOID**

Stable. No hazardous self-reactivity.

**FIRE HAZARDS**

Will decompose in fire giving off iodine, NO<sub>x</sub> and CO<sub>x</sub>. Firefighters wear SCBA.

**EXTINGUISHER**

Fight surrounding fire.

**FLASHPOINT**

N/A

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

May be irritating to eyes and nasal passages. Moderately toxic internally. LD<sub>50</sub> (oral-rat) 1990 mg/kg. OSHA PEL/ACGIH TLV not established. No evidence of carcinogenicity.

**SPECIAL PRECAUTIONS**

Wear goggles and rubber gloves while handling. Use good ventilation or suitable respirator if dust is raised.

**FIRST AID**

Wash skin and eyes thoroughly with water. If irritation persists, see a physician. If swallowed, give water and induce vomiting. See a physician.

**SPILLS & LEAKS**

Sweep with absorbent, minimize dust formation. Disposal to solid waste.

---

**CATALOG #**

225

**PREPARED BY**

MDM

**DATE**

December 14, 2006

Full Warranty and Limitations Statement should be reviewed at [www.gfschemicals.com/terms.asp](http://www.gfschemicals.com/terms.asp).