

**GFS CHEMICALS, INC.**  
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1-800-424-9300(Chemtrec 24Hr. Info.)

**MATERIAL SAFETY DATA SHEET**

136

**DIPHENYLGUANIDINE**

**CHEMICAL NAME & SYNONYMS**

Diphenylguanidine; 1,3-diphenylguanidine

**DOT CLASS**

NR

**SARA TITLE 313**

No

**TSCA listed** - Yes

**FORMULA**

(C<sub>6</sub>H<sub>5</sub>NH)<sub>2</sub>C=NH

**REPORTABLE QUANTITY**

N/A

**F.W.**

211.26

**CAS#**

102-06-7

**PHYSICAL DATA**

Melting point 147-148°C; Density 1.13; Slightly soluble in water; Soluble in alcohol.

**APPEARANCE & ODOR**

White crystalline powder. Very slight odor of amine may be present.

**REACTIVITY & CONDITIONS TO AVOID**

Stable. Solutions are alkaline. Avoid ingestion or inhalation. Incompatible with strong oxidizers.

**FIRE HAZARDS**

Will be consumed in general fire. Smoke may contain noxious fumes. Firefighters wear SCBA.

**EXTINGUISHER**

Water spray, dry chemical or CO<sub>2</sub>.

**FLASHPOINT**

N/A

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

Irritating to eyes and nasal passages. LD<sub>50</sub> (oral-rat) 375 mg/kg. Possible sensitizer. OSHA PEL/ACGIH TLV not established. Experimental teratogenic, mutagenic data and reproductive effects. No evidence of carcinogenicity.

**SPECIAL PRECAUTIONS**

Use gloves and eye protection when handling. Use good ventilation or suitable respirator if dust is raised.

**FIRST AID**

Wash contact area well with water. If eye irritation persists, get medical attention. If swallowed, give water or milk to drink and get medical attention.

**SPILLS & LEAKS**

Sweep up or wash up with water. Discard to approved waste site or incinerator.

**CATALOG #**

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**PREPARED BY**

MDM

**DATE**

April 19, 2007

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