

EMS CATALOG NO: 13255
EMS PRODUCT: (DGD) Diethylene
Glycol Distearate
DATE: 06/15/2006
PAGE NUMBER: One of 3

MATERIAL SAFETY DATA SHEET

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FOR PRODUCT AND SALES INFORMATION

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PRODUCT IDENTIFICATION

PRODUCT NAME: (DGD) Diethylene Glycol Distearate

FORMULA: Reaction of diethylene glycol and stearic acid

CAS #: 106-11-6

HMIS RATING: Health=1 Flammability=1 Reactivity=0

PHYSICAL DATA

BOILING POINT, °C:	N/A	MELTING POINT, °C:	47-52
VAPOR PRESSURE (mmHg):	N/A	SOLUBILITY IN WATER:	Dispersible
SPECIFIC GRAVITY (H ₂ O=1 @25°C):	0.96	EVAPORATION RATE (Butyl Acetate=1):	<1
VOLATILE BY VOLUME:	N/A	APPEARANCE & ODOR:	White beads, mild fatty odor
VAPOR DENSITY (air=1):	N/A		

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT

(Method Used): 168oC (COC)

FLAMMABLE LIMITS

LEL UEL: Not Established

EXTINGUISHING MEDIA: CO2, foam, dry chemical, water spray

SPECIAL FIRE FIGHTING PROCEDURES:

Treat as hot oil/fat. If water must be used, use a fog nozzle to avoid spattering of hot material and spread of burning liquid.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

REACTIVITY DATA

STABLE: Yes

CONDITIONS TO AVOID: N/A

INCOMPATIBILITIES: Avoid contact with strong oxidizers, acids and alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS:

May release CO, CO2, and other unidentified products on contact.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: N/A

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Contain spill by sweeping and shovel up for disposal as solid waste.

WASTE DISPOSAL METHODS:

Incinerate or landfill, as permitted by Federal, State and local laws.

HEALTH HAZARD DATA

ORAL LD50 (Species): >5000 mg/kg (rats) - nontoxic

EYE IRRITATION (Rabbit): Mild irritant

SKIN IRRITATION (Rabbit): Non-irritant

EMERGENCY AND FIRST AID INFORMATION

INGESTION: No special needs are anticipated.

EYE CONTACT: Flush with water.

SKIN CONTACT: No special needs are anticipated.

SPECIAL PROTECTION INFORMATION

RESPIRATORY: No special protection is required.

VENTILATION REQUIREMENTS: Central ventilation recommended.

PROTECTIVE GLOVES: None.

EYE PROTECTION: Chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT: Eye bath.

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN FOR HANDLING & STORING:

To maintain product quality, do not store in heat or direct sunlight.