

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CAS NUMBER: 6422-86-2
RTECS NUMBER: WZ0883500

SUBSTANCE: DI(2-ETHYLHEXYL)TEREPHTHALATE

TRADE NAMES/SYNONYMS:
BIS(2-ETHYLHEXYL) TEREPHTHALATE; DI(2-ETHYLHEXYL) TEREPHTHALATE;
1,4-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL)ESTER; DOTP; GL300

CHEMICAL FAMILY:
Ester, carboxylic, aromatic

CREATION DATE: 05/28/07

SECTION 2 COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT : DI(2-ETHYLHEXYL)TEREPHTHALATE
CAS NUMBER : 6422-86-2
PERCENTAGE : 100

SECTION 3 HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=1 REACTIVITY=0

EMERGENCY OVERVIEW: COLOR: Colorless

Physical form: Liquid

Odor: Faint odor.

Low hazard for usual industrial or commercial handling by trained personnel.

POTENTIAL HEALTH EFFECTS

Inhalation: Short term exposure: No Information is available

Long term exposure: No Information is available

Skin contact: Short term exposure: Irritation.

Long term exposure: No Information is available
Eye contact: Short term exposure: No Information is available
Long term exposure: No Information is available

SECTION 4 FIRST AID MEASURES

INHALATION:

FIRST AID- If symptomatic, move to fresh air immediately.
Get medical attention if symptoms persist.

SKIN CONTACT:

FIRST AID- Remove contaminated clothing and shoes immediately. Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes). Get medical attention if symptoms persist.

EYE CONTACT:

FIRST AID- Wash eyes immediately with large amounts of water
If easy to do, remove contact lenses. Get medical attention if symptoms persist.

INGESTION:

FIRST AID- Seek medical advice.

SECTION 5 FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARD:

Slight fire hazard when exposed to heat or flame.

EXTINGUISHING MEDIA:

Dry chemical, carbon dioxide, water spray or regular foam

FIREFIGHTING:

Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal

Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

FLASH POINT: 460 F (238 C) (OC)

FLAMMABILITY CLASS(OSHA): IIIB

SECTION 6 ACCIDENTAL RELEASE MEASURES

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

FOR LARGE SPILL : Flush spill area with water spray. Prevent run off from entering drains, sewers, or streams

SECTION 7 HANDLING AND STORAGE

PERSONAL PRECAUTIONARY MEASURES : No special precautionary health measure should be needed under anticipated conditions of use.

STORAGE : Keep container closed.

SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS: no data available

VENTILATION:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from large surfaces, spraying, heating, etc.

EYE PROTECTION:

It is good industrial hygiene practice to minimize eye contact.

CLOTHING:

It is good industrial hygiene practice to minimize skin contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION: Almost odorless, colorless to pale yellow, oily liquid.

MOLECULAR WEIGHT: 390.56

MOLECULAR FORMULA: C-H4-(C-O2-C-H2-C-H-(C2H5)-(CH2)3-C-H3)2

BOILING POINT: 752 F (400 C)

FREEZING POINT: -54 F (-48 C)

VAPOR PRESSURE: 1.0 mmHg @ 20 C

VAPOR DENSITY: -

SPECIFIC GRAVITY: 0.9835
WATER SOLUBILITY: no data available
PH: no data available
ODOR THRESHOLD: no data available
EVAPORATION RATE: no data available
SOLVENT SOLUBILITY: Negligible

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY:
Stable under normal temperatures and pressures.

INCOMPATIBILITIES:
Material reacts with strong oxidizing agents.

POLYMERIZATION:
Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

SECTION 11 TOXICOLOGICAL INFORMATION

Oral LD-50 (rat) > 5,000 mg/kg (highest dose tested)
Oral LD-50 (mouse) > 5,000 mg/kg (highest dose tested)
Dermal LD-50 (guinea pig) > 19.68 g/kg (highest dose tested)
Skin Irritation (guinea pig) slight
Eye Irritation (rabbit) slight

SECTION 12 ECOLOGICAL INFORMATION

ACUTE AQUATIC EFFECTS DATA :
96 h LC-50 (fathead minnow) : > 984 mg/l (nominal concentration)
96 h EC-50 (oyster) : > 0.624 mg/l
96 h LC-50 (ramshorn snail) : > 984 mg/l
48 h EC-50 (daphnid) : > 0.0014 mg/l

SECTION 13 DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state or local laws. Incinerate.

SECTION 14 TRANSPORT INFORMATION

No classification currently assigned

SECTION 15 REGULATORY INFORMATION

U.S. REGULATIONS:

TSCA inventory status: Y

TSCA 12b export notification: Not listed.

Cercla section 103 (40CFR302.4): N

SARA section 302 (40CFR355.30): N

SARA section 304 (40CFR355.40): N

SARA hazard categories, SARA sections 311/312 (40CFR370.21): N

Acute: Y

Chronic: N

Fire: N

Reactive: N

Sudden release: N

OSHA process safety (29CFR1910.119): N

State regulations:

California proposition 65: N

SECTION 16 OTHER INFORMATION

LG Chemical LTD.
LG Twin Towers 20, Yoido-dong, Yongdungpo-gu, Seoul, Korea

