

Diocetyl Sebacate

MSDS (Material Safety Data Sheet)

November 6, 2012

CHEMICAL NAME & SYNONYMS: DIOCTYL SEBACATE
BIS (2-ETHYLHEXYL) DECANEDIOATE
CHEMICAL FAMILY: ESTER (SEBACIC)
MOLECULAR FORMULA: C₂₆H₅₀O
HMIS RATING: HEALTH (1) FLAMMABILITY (1) REACTIVITY (0) PERSONAL PROTECTION (C)

PHYSICAL DATA

BOILING POINT DEG F: 248 °C @ 9 TORR
VAPOR PRESSURE (MM HG): NOT KNOWN
VAPOR DENSITY (AIR=1): 14.7
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE & ODOR: CLEAR , ODORLESS LIQUID
SPECIFIC GRAVITY @25 DEG C: 0.914
PERCENT VOLATILE BY VOLUME %: N/A
EVAPORATION RATE (WATER=1): N/A

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: GREATER THAN 200°F
(CLEVELAND OPEN CUP)AOCs: Tn Ia-64
FLAMMABLE LIMITS: LOWER (N/A), UPPER (N/A)
FIRE EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE OR DRY CHEMICAL
SPECIAL FIRE-FIGHTING: FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING UNITS UNUSUAL
FIRE AND
EXPLOSION HAZARDS: TREAT AS OIL FIRE.

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT KNOWN.
EFFECTS OF OVEREXPOSURE: NOT KNOWN.

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION: IF PERSON IS CONSCIOUS, GIVE LARGE AMOUNT OF WATER. GET IMMEDIATE MEDICAL HELP.

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL HELP.

SKIN CONTACT: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER.

REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: PEROXIDES, EXCESSIVE HEAT, STRONG ACIDS, ALKALIES
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS: UNDER SEVERE THERMAL DEGRADATION, CARBON MONOXIDE AND LOW MOLECULAR WEIGHT ORGANIC COMPOUNDS MAY FORM.
HAZARDOUS POLYMERIZATION: BURNING MAY PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE
CONDITIONS TO AVOID: NONE



SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

STOP SPILL AT SOURCE. DIKE AREA OF SPILL TO PREVENT SPREADING. WIPE UP, MOP, OR SOAK UP WITH ANY POROUS AND ABSORBENT CLAY. SHOVEL UP INTO DISPOSABLE CONTAINERS. RESIDUE CAN BE WASHED UP WITH DETERGENT AND WATER OR FLUSHED DOWN SANITARY SEWER.

WASTE DISPOSAL METHOD:

DISCARDED MATERIAL SHOULD BE DEPOSITED ON APPROVED LANDFILL AREA OR INCINERATED IN COMPLIANCE WITH FEDERAL AND LOCAL REGULATIONS.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	USE A FULLY APPROVED FACE RESPIRATOR WITH MIST PAD IF USED IN POORLY VENTILATED AREAS IF SPRAYED OR HEATED.
VENTILATION:	LOCAL EXHAUST/MECHANICAL IN CLOSED AREAS
PROTECTIVE GLOVES:	CHEMICAL RESISTANT GLOVES.
EYE PROTECTION:	SAFETY GOGGLES
OTHER PROTECTION EQUIPMENT:	NORMAL WORK CLOTHING ARMS AND LEGS.

SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: AVOID EXCESSIVE HEAT AND OXIDIZING AGENTS.

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