Hexanoic acid, 2-ethyl-, 1,1’-[1,2-ethanediylbis(oxy-2,1-ethanediyl)] ester (cas 94-28-0) MSDS

: Hexanoic acid, 2-ethyl-, diester with triethylene glycol

**MSDS**

**CAS** : 94-28-0

**SYNONYMS**:
- * Flexol 3GO
- * Flexol plasticizer 3GO
- * Hexanoic acid, 2-ethyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester
- * Triethylene glycol, bis(2-ethylhexanoate)
- * triethylene glycol di(2-ethylhexoate)

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers
[ Hexanoic acid, 2-ethyl-, diester with triethyleneglycol 94-28-0 ]

*** CHEMICAL IDENTIFICATION ***

**RTECS NUMBER** : M07725000

**CHEMICAL NAME** : Hexanoic acid, 2-ethyl-, diester with triethylene glycol

**CAS REGISTRY NUMBER** : 94-28-0

**BEILSTEIN REFERENCE NO.** : 1806809

**REFERENCE** : 4-02-00-01005 (Beilstein Handbook Reference)

**LAST UPDATED** : 199712

**DATA ITEMS CITED** : 10

**MOLECULAR FORMULA** : C22-H42-O6

**MOLECULAR WEIGHT** : 402.64

**WISWESSER LINE NOTATION** : 4Y2xVO202020VOY4&2

**COMPOUND DESCRIPTOR** : Primary Irritant

**SYNONYMS/TRADE NAMES** :
- * Flexol 3GO
- * Flexol plasticizer 3GO
- * Hexanoic acid, 2-ethyl-, 1,2-ethanediylbis(oxy-2,1-ethanediyl) ester
- * Triethylene glycol, bis(2-ethylhexanoate)
- * triethylene glycol di(2-ethylhexoate)

*** HEALTH HAZARD DATA ***
** SKIN/EYE IRRITATION DATA **

TYPE OF TEST : Open irritation test
ROUTE OF EXPOSURE : Administration onto the skin
SPECIES OBSERVED : Rodent - rabbit
DOSE/DURATION : 500 mg
REACTION SEVERITY : Mild
REFERENCE :
UCDS** Union Carbide Data Sheet. (Union Carbide Corp., 39 Old Ridgebury Rd., Danbury, CT 06817) Volume(issue)/page/year: 7/21/1971

** ACUTE TOXICITY DATA **

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 31 gm/kg
TOXIC EFFECTS :
Behavioral - somnolence (general depressed activity)
Gastrointestinal - other changes
Kidney, Ureter, Bladder - other changes
REFERENCE :
JIHTAB Journal of Industrial Hygiene and Toxicology. (Cambridge, MA) V.18-31, 1936-49. For publisher information, see ARHLAU.
Volume(issue)/page/year: 23,259,1941

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : >3200 mg/kg
TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value
REFERENCE :
NTIS** National Technical Information Service. (Springfield, VA 22161)
Formerly U.S. Clearinghouse for Scientific & Technical Information.
Volume(issue)/page/year: OTS0533587

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Administration onto the skin
SPECIES OBSERVED : Rodent - rabbit
DOSE/DURATION : 14100 uL/kg
TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value
REFERENCE :
Type of Test: LD50 - Lethal dose, 50 percent kill
Route of Exposure: Oral
Species Observed: Rodent - guinea pig
Dose/Duration: 21 gm/kg

Toxic Effects:
- Behavioral - somnolence (general depressed activity)
- Gastrointestinal - other changes
- Kidney, Ureter, Bladder - other changes

Reference:
JIHTAB Journal of Industrial Hygiene and Toxicology. (Cambridge, MA) V.18-31, 1936-49. For publisher information, see AEHLAU.
Volume(issue)/page/year: 23,259,1941

Type of Test: LD50 - Lethal dose, 50 percent kill
Route of Exposure: Administration onto the skin
Species Observed: Rodent - guinea pig
Dose/Duration: >20 mL/kg

Toxic Effects:
Details of toxic effects not reported other than lethal dose value

Reference:
NTIS** National Technical Information Service. (Springfield, VA 22161)
Formerly U.S. Clearinghouse for Scientific & Technical Information.
Volume(issue)/page/year: OTS0533587

*** NIOSH STANDARDS DEVELOPMENT AND SURVEILLANCE DATA ***

NIOSH OCCUPATIONAL EXPOSURE SURVEY DATA:


NOHS Hazard Code - M1871
- No. of Facilities: 18 (estimated)
- No. of Industries: 2
- No. of Occupations: 5
- No. of Employees: 104 (estimated)

*** STATUS IN U.S. ***

EPA TSCA Section 8(b) CHEMICAL INVENTORY

EPA TSCA Section 8(d) unpublished health/safety studies
*** END OF RECORD ***