

Yangzhou Sunchem Co.,Ltd.

Material Safety Data Sheet

HC YELLOW 4

MSDS : Ethanol,

2-((2-(2-hydroxyethoxy)-4-nitrophenyl)amino)-

CAS : 59820-43-8

SYNONYMS : * N, O-Di (2-hydroxyethyl)-2-amino-5-nitrophenol

* HC Yellow 4

* 2-((2-(2-Hydroxyethoxy)-4-nitrophenyl)amino)ethanol

* 2-(3-Nitro-6-(beta-hydroxyethylamino)phenoxy)ethanol

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment
Manufacturers

[Ethanol, 2-((2-(2-hydroxyethoxy)-4-nitrophenyl)amino)- 59820-43-8]

*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : KL2860000

CHEMICAL NAME : Ethanol,

2-((2-(2-hydroxyethoxy)-4-nitrophenyl)amino)-

CAS REGISTRY NUMBER : 59820-43-8

LAST UPDATED : 199510

DATA ITEMS CITED : 12

MOLECULAR FORMULA : C10-H14-N2-O5

MOLECULAR WEIGHT : 242.26

COMPOUND DESCRIPTOR : Tumorigen

Mutagen

SYNONYMS/TRADE NAMES :

* N, O-Di (2-hydroxyethyl)-2-amino-5-nitrophenol

* HC Yellow 4

* 2-((2-(2-Hydroxyethoxy)-4-nitrophenyl)amino)ethanol

* 2-(3-Nitro-6-(beta-hydroxyethylamino)phenoxy)ethanol

*** HEALTH HAZARD DATA ***

** OTHER MULTIPLE DOSE TOXICITY DATA **

TYPE OF TEST : TDLo - Lowest published toxic dose

ROUTE OF EXPOSURE : Oral

SPECIES OBSERVED : Rodent - rat

DOSE/DURATION : 7 gm/kg/14D-C

TOXIC EFFECTS :

Nutritional and Gross Metabolic - weight loss or decreased weight gain

REFERENCE :

NTPTR* National Toxicology Program Technical Report Series. (Research

Triangle Park, NC 27709) No. 206- Volume(issue)/page/year: NTP-TR-419, 1992

TYPE OF TEST : TDLo - Lowest published toxic dose

ROUTE OF EXPOSURE : Oral

SPECIES OBSERVED : Rodent - rat

DOSE/DURATION : 54600 mg/kg/13W-C

TOXIC EFFECTS :

Nutritional and Gross Metabolic - weight loss or decreased weight gain

TYPE OF TEST : TDLo - Lowest published toxic dose

ROUTE OF EXPOSURE : Oral

SPECIES OBSERVED : Rodent - mouse

DOSE/DURATION : 109 gm/kg/13W-C

TOXIC EFFECTS :

Nutritional and Gross Metabolic - weight loss or decreased weight gain

REFERENCE :

NTPTR* National Toxicology Program Technical Report Series. (ResearchTriangle Park, NC 27709)

No.206- Volume(issue)/page/year: NTP-TR-419, 1992

** TUMORIGENIC DATA **

TYPE OF TEST : TDLo - Lowest published toxic dose

ROUTE OF EXPOSURE : Oral

SPECIES OBSERVED : Rodent - rat

DOSE/DURATION : 221 gm/kg/2Y-C

TOXIC EFFECTS :

Tumorigenic - equivocal tumorigenic agent by RTECS criteria

Endocrine - tumors

REFERENCE :

NTPTR* National Toxicology Program Technical Report Series. (Research

Triangle Park, NC 27709) No.206- Volume(issue)/page/year: NTP-TR-419, 1992

** MUTATION DATA **

TYPE OF TEST : Mutation in microorganisms

TEST SYSTEM : Bacteria - Salmonella typhimurium

DOSE/DURATION : 100 ug/plate

REFERENCE :

NTPTR* National Toxicology Program Technical Report Series. (Research

Triangle Park, NC 27709) No.206- Volume(issue)/page/year: NTP-TR-419, 1992

TYPE OF TEST : Sex chromosome loss and nondisjunction

ROUTE OF EXPOSURE : Intraperitoneal

TEST SYSTEM : Insect - Drosophila melanogaster

DOSE/DURATION : 10 pph

REFERENCE :

NTPTR* National Toxicology Program Technical Report Series. (Research

Triangle Park, NC 27709) No.206- Volume(issue)/page/year: NTP-TR-419, 1992

*** REVIEWS ***

IARC Cancer Review:Human Inadequate Evidence

IMEMDT IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals
to Man. (WHO Publications Centre USA, 49 Sheridan Ave., Albany, NY 12210)

V.1- 1972- Volume(issue)/page/year: 57,159, 1993

IARC Cancer Review:Animal Inadequate Evidence

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to Man. (WHO Publications Centre USA, 49 Sheridan Ave., Albany, NY 12210)

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IARC Cancer Review:Group 3

IMEMDT IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals
to Man. (WHO Publications Centre USA, 49 Sheridan Ave., Albany, NY 12210)

V.1- 1972- Volume(issue)/page/year: 57,159,1993

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

NTP Carcinogenesis Studies (feed);equivocal evidence:rat

NTPTR* National Toxicology Program Technical Report Series. (Research
Triangle Park, NC 27709) No.206- Volume(issue)/page/year: NTP-TR-419,92

NTP Carcinogenesis Studies (feed);no evidence:mouse

NTPTR* National Toxicology Program Technical Report Series. (Research
Triangle Park, NC 27709) No.206- Volume(issue)/page/year: NTP-TR-419,92

*** END OF RECORD ***