

Yangzhou Sunchem Co.,Ltd.

Material Safety Data Sheet

HC RED 3

MSDS

: Ethanol, 2-(4-amino-2-nitroanilino)-

CAS : 2871-01-4

SYNONYMS : * 2-(4-Amino-2-nitroanilino)ethanol

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

* Ethanol, 2-((4-amino-2-nitrophenyl)amino)-

* HC Red No. 3

* 4-(2-Hydroxyethyl)amino-3-nitroaniline

* N(sup 1)-(2-Hydroxyethyl)-2-nitro-p-phenylenediamine

* NCI-C54922

*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : KJ6500000

CHEMICAL NAME : Ethanol, 2-(4-amino-2-nitroanilino)-

CAS REGISTRY NUMBER : 2871-01-4

BEILSTEIN REFERENCE NO. : 2110120

LAST UPDATED : 199701

DATA ITEMS CITED : 11

MOLECULAR FORMULA : C8-H11-N3-O3

MOLECULAR WEIGHT : 197.22

COMPOUND DESCRIPTOR : Tumorigen

Mutagen

SYNONYMS/TRADE NAMES :

* 2-(4-Amino-2-nitroanilino)ethanol

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

* Ethanol, 2-((4-amino-2-nitrophenyl)amino)-

* HC Red No. 3

* 4-(2-Hydroxyethyl)amino-3-nitroaniline

* N(sup 1)-(2-Hydroxyethyl)-2-nitro-p-phenylenediamine

* NCI-C54922

*** HEALTH HAZARD DATA ***

** ACUTE TOXICITY DATA **

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill

ROUTE OF EXPOSURE : Oral

SPECIES OBSERVED : Rodent - rat

DOSE/DURATION : >1 gm/kg

TOXIC EFFECTS :

Details of toxic effects not reported other than lethal dose value

REFERENCE :

JACTDZ Journal of the American College of Toxicology. (Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128) V.1-12, 1982-1993. Discontinued.
Volume(issue)/page/year: 11, 509, 1992

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill

ROUTE OF EXPOSURE : Oral

SPECIES OBSERVED : Rodent - mouse

DOSE/DURATION : >500 mg/kg

TOXIC EFFECTS :

Details of toxic effects not reported other than lethal dose value

REFERENCE :

JACTDZ Journal of the American College of Toxicology. (Mary Ann Liebert, Inc., 1651 Third Ave., New York, NY 10128) V.1-12, 1982-1993. Discontinued.
Volume(issue)/page/year: 11, 509, 1992

**** TUMORIGENIC DATA ****

TYPE OF TEST : TDLo - Lowest published toxic dose

ROUTE OF EXPOSURE : Oral

SPECIES OBSERVED : Rodent - mouse

DOSE/DURATION : 182 gm/kg/2Y-C

TOXIC EFFECTS :

Tumorigenic - Carcinogenic by RTECS criteria

liver - tumors

REFERENCE :

NTPTR* National Toxicology Program Technical Report Series. (Research Triangle Park, NC 27709) No.206- Volume(issue)/page/year: NTP-TR-281, 1986

**** 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-281, 1986

***** 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, 153, 1993

IARC Cancer Review:Animal 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: 57,153,1993

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: 57,153,1993

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

NIOSH OCCUPATIONAL EXPOSURE SURVEY DATA :

NOES - National Occupational Exposure Survey (1983)

NOES Hazard Code - X2688

No. of Facilities: 4235 (estimated)

No. of Industries: 1

No. of Occupations: 1

No. of Employees: 42485 (estimated)

No. of Female Employees: 32059 (estimated)

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

EPA TSCA Section 8(b) CHEMICAL INVENTORY

NTP Carcinogenesis Studies (gavage);equivocal evidence:mouse

NTPTR* National Toxicology Program Technical Report Series. (Research
Triangle Park, NC 27709) No.206- Volume(issue)/page/year: NTP-TR-281,86

NTP Carcinogenesis Studies (gavage);no evidence:rat

NTPTR* National Toxicology Program Technical Report Series. (Research
Triangle Park, NC 27709) No.206- Volume(issue)/page/year: NTP-TR-281,86

*** END OF RECORD ***