Isopropyl nitrite (cas 541-42-4) MSDS

MSDS : Nitrous acid, isopropyl ester
CAS : 541-42-4
SYNONYMS : * Isopropylerster kyseliny dusite
* Isopropyl nitrite
* Nitrous acid, 1-methylethyl ester
* 2-Propanol nitrite

Catalog of Chemical Suppliers, Buyers, Custom Synthesis Companies And Equipment Manufacturers
[ Nitrous acid, isopropyl ester 541-42-4 ]

*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : RA0930000
CHEMICAL NAME : Nitrous acid, isopropyl ester
CAS REGISTRY NUMBER : 541-42-4
BEILSTEIN REFERENCE NO. : 1698878
REFERENCE : 4-01-00-01474 (Beilstein Handbook Reference)
LAST UPDATED : 199701
DATA ITEMS CITED : 5
MOLECULAR FORMULA : C3-H7-N-O2
MOLECULAR WEIGHT : 89.11
SYNONYMS/TRADE NAMES : * Isopropylerster kyseliny dusite
* Isopropyl nitrite
* Nitrous acid, 1-methylethyl ester
* 2-Propanol nitrite

*** HEALTH HAZARD DATA ***

** ACUTE TOXICITY DATA **

TYPE OF TEST : LC50 - Lethal concentration, 50 percent kill
ROUTE OF EXPOSURE : Inhalation
SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 1250 mg/m3/4H
TOXIC EFFECTS :
Details of toxic effects not reported other than lethal dose value

TYPE OF TEST : LC50 - Lethal concentration, 50 percent kill
ROUTE OF EXPOSURE : Inhalation
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : 2800 mg/m3
TOXIC EFFECTS :
Behavioral - convulsions or effect on seizure threshold
Behavioral - ataxia
Lungs, Thorax, or Respiration - cyanosis

** OTHER MULTIPLE DOSE TOXICITY DATA **

TYPE OF TEST : TCLo - Lowest published toxic concentration
ROUTE OF EXPOSURE : Inhalation
SPECIES OBSERVED : Rodent - rat
DOSE/DURATION : 59 mg/m3/17W-I
TOXIC EFFECTS :
Blood - pigmented or nucleated red blood cells
Nutritional and Gross Metabolic - weight loss or decreased weight gain
Biochemical - Enzyme inhibition, induction, or change in blood or tissue levels - cytochrome oxidases (including oxidative phosphorylation)
REFERENCE : GTPZAB Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases. (V/O Mezhdunarodnaya Kniga, 113095 Moscow, USSR) V.1-36, 1957-1992. For publisher information, see MTPEEI
*** OCCUPATIONAL EXPOSURE LIMITS ***

OEL- RUSSIA: STEL 1 mg/m3 JAN 1993

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

EPA TSCA Section 8(b) CHEMICAL INVENTORY

*** END OF RECORD ***