



chemists helping chemists in research & industry

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DATE: 08/05/91
CUST#: 938609
PO#: P0068929

M A T E R I A L S A F E T Y D A T A S H E E T

PAGE 1

IDENTIFICATION

PRODUCT #: B1580-5
CAS #: 140-11-4
MF: C9H10O2

NAME: BENZYL ACETATE, 99+%

SYNONYMS

ACETIC ACID, PHENYLMETHYL ESTER * ALPHA-ACETOXYTOLUENE * BENZYL
ACETATE * BENZYLESTER KYSELINY OCTOVE (CZECH) * BENZYL ETHANOATE *
NCI-C06508 * PHENYLMETHYL ACETATE *

TOXICITY HAZARDS

RTECS NO: AF5075000

ACETIC ACID, BENZYL ESTER

IRRITATION DATA

SKN-RBT 100 MG/24H MOD

TOXICITY DATA

ORL-RAT LD50: 2490 MG/KG
ORL-MUS LD50: 830 MG/KG
IHL-CAT LC50: 245 PPM/8H
ORL-RBT LD50: 2200 MG/KG
SKN-RBT LD50: >5 GM/KG
ORL-GPG LD50: 2200 MG/KG

CTOIDG 94(8), 41, 79

FCTXAV 2,327,64
GISAAA 50(7), 17, 85
AMIHAB 21, 28, 60
GISAAA 50(7), 17, 85
FCTXAV 11, 875, 73
GISAAA 50(7), 17, 85

REVIEWS, STANDARDS, AND REGULATIONS

IARC CANCER REVIEW: ANIMAL LIMITED EVIDENCE IMEMDT 40, 109, 86

IARC CANCER REVIEW: HUMAN NO ADEQUATE DATA IMEMDT 40, 109, 86

IARC CANCER REVIEW: GROUP 3 IMSUDL 7, 56, 87

NOHS 1974: HZD 01600; NIS 11; TNF 512; NOS 42; TNE 93580

NOES 1983: HZD 01600000; TNF 107; NIS 17141; NOS 108; TNE 275806; TFE 133629

EPA TSCA CHEMICAL INVENTORY, JUNE 1990

NTP CARCINOGENESIS STUDIES (GAVAGE); SOME EVIDENCE: MOUSE, RAT NTPTR*

NTP-TR-250, 86

NTP CARCINOGENESIS STUDIES; ON TEST (TWO YEAR STUDIES), JANUARY 1991

TARGET ORGAN DATA

BEHAVIORAL (ANTI-PSYCHOTIC)

LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

KIDNEY, URETER, BLADDER (OTHER CHANGES)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)
DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

HEALTH HAZARD DATA

ACUTE EFFECTS

HARMFUL IF INHALED.

CONTINUED ON NEXT PAGE

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M A T E R I A L S A F E T Y D A T A S H E E T P A G E 2

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HEALTH HAZARD DATA

MAY BE HARMFUL IF SWALLOWED.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
CAUSES SKIN IRRITATION.
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

CHRONIC EFFECTS
CARCINOGEN.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

PHYSICAL DATA

BOILING PT: 206 C
MELTING PT: -51 C
SPECIFIC GRAVITY: 1.040
VAPOR PRESSURE: 23 MM @ 110 C
APPEARANCE AND ODOR
COLORLESS LIQUID

FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: 216 F
EXTINGUISHING MEDIA
WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

REACTIVITY DATA

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
ACIDS

CONTINUED ON NEXT PAGE

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REACTIVITY DATA

BASES
REDUCING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
WEAR DISPOSABLE COVERALLS AND DISCARD THEM AFTER USE.
ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
DISPOSAL METHOD
DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
USE ONLY IN A CHEMICAL FUME HOOD.
SAFETY SHOWER AND EYE BATH.
DO NOT BREATHE VAPOR.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
CARCINOGEN.
TOXIC.
IRRITANT.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

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