

Valid 11/2002 - 01/2003

Sigma Chemical Co.
P.O. Box 14508
St. Louis, MO 63178 USA
Phone: 314-771-5765

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

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: E4754
NAME: ETHACRYNIC ACID

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 58-54-8
MF: C13H12CL2O4
EC NO: 200-384-1

SYNONYMS

ACETIC ACID, (2,3-DICHLORO-4-(2-METHYLENE-1-OXOBUTYL)PHENOXY)- (9CI) *
CRINURYL * 2,3-DICHLORO-4-(2-METHYLENEBUTYRYL)PHENOXY ACETIC ACID *
(2,3-DICHLORO-4-(2-METHYLENEBUTYRYL)PHENOXY)ACETIC ACID * (2,3-) Tj ET BT /PjCourier 1

EDECIN * EDECINA * ENDECIL * ETACRINIC ACID * ETAKRINIC ACID *
ETHACRYNIC ACID * HIDROMEDIN * HYDROMEDIN * KYSELINA 4-(2-(1-BUTENYL)) Tj ET BT /PjCou

(CZECH) * (4-(2-METHYLENEBUTYRYL)-2,3-DICHLOROPHENOXY)ACETIC ACID *
METHYLENEBUTYRYL PHENOXYACETIC ACID * MINGIT * MK-595 * OTACRIL *
REOMAX * TALADREN * UREGIT *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

TOXIC (USA)
HARMFUL (EU)
HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
TARGET ORGAN(S):
KIDNEYS

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.

IN CASE OF SKIN CONTACT, FLUSH WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND
SHOES. CALL A PHYSICIAN.

IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT,
CALL A PHYSICIAN.

IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER
FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING
THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

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.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.

SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -
REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -
NIOSH/MSHA-APPROVED RESPIRATOR.
USE ONLY IN A CHEMICAL FUME HOOD.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
CHEMICAL SAFETY GOGGLES.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -
APPEARANCE AND ODOR
SOLID.
PHYSICAL PROPERTIES
MELTING POINT: ~123'C
SOLUBILITY:
WATER -SLIGHTLY SOLUBLE ETHANOL -SOLUBLE
ETHER -SOLUBLE

SECTION 10. - - - - - -STABILITY AND REACTIVITY - - - - -
STABILITY
STABLE.
CONDITIONS TO AVOID
HEAT
INCOMPATIBILITIES
BASES
AMMONIA
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
HYDROGEN CHLORIDE GAS
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -
ACUTE EFFECTS
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
CAUSES IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.
CHRONIC EFFECTS
PROLONGED EXPOSURE CAN CAUSE:
GASTROINTESTINAL DISTURBANCES
STOMACH PAINS, VOMITING, DIARRHEA.
TARGET ORGAN(S):
KIDNEYS

RTECS #: AG6600000
ACETIC ACID, (2,3-DICHLORO-4-(2-METHYLENEBUTYRYL)PHENOXY)-

TOXICITY DATA

ORL-RAT LD50:1 GM/KG	YAKUD5 21,775,1979
IPR-RAT LD50:43 MG/KG	OYYAA2 2,411,1968
ORL-MUS LD50:600 MG/KG	YAKUD5 21,775,1979
IPR-MUS LD50:160 MG/KG	OYYAA2 2,411,1968
SCU-MUS LD50:189 MG/KG	OYYAA2 2,411,1968
IVN-MUS LD50:176 MG/KG	FEPRA7 23,438,1964
UNR-MUS LD50:600 MG/KG	EPXXDW #0016635
ORL-RBT LD50:449 MG/KG	OYYAA2 2,411,1968
IVN-RBT LD50:78300 UG/KG	OYYAA2 2,411,1968
ORL-GPG LD50:469 MG/KG	OYYAA2 2,411,1968
IPR-GPG LD50:14800 UG/KG	OYYAA2 2,411,1968

TARGET ORGAN DATA
SENSE ORGANS AND SPECIAL SENSES (CHANGE IN ACUITY)
SENSE ORGANS AND SPECIAL SENSES (TINNITUS)
KIDNEY, URETER, BLADDER (URINE VOLUME INCREASED)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -
INCINERATE IN A FURNACE PROVIDING ENVIRONMENTAL REGULATIONS PERMIT.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -
CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -
EUROPEAN INFORMATION

HARMFUL

R 20/21/22

HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

R 36/37/38

IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

S 26

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.

S 36

WEAR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

NOES 1983: HZD X3792; NIS 2; TNF 150; NOS 11; TNE 14149; TFE 10194

SECTION 16. - - - - - OTHER INFORMATION- - - - -

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO
BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. SIGMA, ALDRICH,
FLUKA SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING
OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR
PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

COPYRIGHT 2001 SIGMA-ALDRICH CO.

LICENSE GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY