

MAY 26 1995

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DATE: 05/17/95
CUST#: 2-97-94816
PO#: UNE53917

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 1

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

PRODUCT #: 12886 NAME: INDOL-3-ACETIC ACID PLANT CELL CULTURE

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

CAS #: 87-51-4
MF: C10H9NO2

SYNONYMS

INDOL-3-YLACETIC ACID * ACETIC ACID, INDOLYL- * HETERODAXIN *
HETERODAXIN * IAA * 3-IAA * BETA-INDOLEACETIC ACID * BETA-INDOLE-3-
ACETIC ACID * 3-INDOLEACETIC ACID * ALPHA-INDOL-3-YL-ACETIC ACID *
BETA-INDOLYLACETIC ACID * INDOLYL-3-ACETIC ACID * 3-INDOLYLACETIC
ACID * KYSELINA 3-INDOLYLACTOVA (CZECH) * RHIZOPIN * RHIZOPON A *
OMEGA-SKATOLE CARBOXYLIC ACID *

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

LABEL PRECAUTIONARY STATEMENTS

CAUTION:
THE TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY
INVESTIGATED.
EXERCISE DUE CARE.

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

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF
WATER FOR AT LEAST 15 MINUTES.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS
AMOUNTS OF WATER.
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.

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

CONTINUED ON NEXT PAGE

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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, RUBBER BOOTS AND HEAVY
 RUBBER GLOVES.
 SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
 AVOID RAISING DUST.
 VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

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

SECTION 8. ----- EXPOSURE CONTROL/PERSONAL PROTECTION -----

CHEMICAL SAFETY GOGGLES.
 RUBBER GLOVES.
 NIOSH/MSHA-APPROVED RESPIRATOR.
 SAFETY SHOWER AND EYE BATH.
 MECHANICAL EXHAUST REQUIRED.
 AVOID CONTACT AND INHALATION.
 DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
 WASH THOROUGHLY AFTER HANDLING.
 KEEP TIGHTLY CLOSED.
 STORE IN A COOL DRY PLACE.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE AND ODOR
 OFF-WHITE POWDER
 MELTING POINT: 165 C TO 169 C

SECTION 10. ----- STABILITY AND REACTIVITY -----

INCOMPATIBILITIES
 STRONG OXIDIZING AGENTS

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HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
 TOXIC FUMES OF:
 CARBON MONOXIDE, CARBON DIOXIDE
 NITROGEN OXIDES

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS
 MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
 MAY CAUSE IRRITATION.
 TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
 TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS NO: NL3150 000
 IH-INDOLE-3-ACETIC ACID

TOXICITY DATA

IPR-MUS LD50: 150 MG/KG

NTIS** AD691-490

TARGET ORGAN DATA

SPECIFIC DEVELOPMENTAL ABNORMALITIES (MUSCULOSKELETAL SYSTEM)
 TUMORIGENIC (EQUIVOCAL TUMORIGENIC AGENT BY RTECS CRITERIA)
 TUMORIGENIC (APPEARANCE OF TUMOR TYPES MAY NOT BE SPONTANEOUS)
 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 -----

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.

SECTION 14. ----- TRANSPORT INFORMATION -----

CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

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

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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 4
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REVIEWS, STANDARDS, AND REGULATIONS
 NIOSH 1974: HZD 83421; NIS 1; TNF 5; NOS 1; TNE 27
 EPA TSCA CHEMICAL INVENTORY, JUNE 1993
 EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JULY 1994

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

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