

Valid 11/2002 - 01/2003

Aldrich Chemical Co., Inc.  
 1001 West St. Paul  
 Milwaukee, WI 53233 USA  
 Tel: 414-273-3850

## 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 #: 201952  
 NAME: TARTRAZINE (C.I. 19140)

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

CAS #: 1934-21-0  
 MF: C16H12N4O9S2  
 EC NO: 217-699-5

## SYNONYMS

ACID LEATHER YELLOW T \* ACID YELLOW 23 \* ACID YELLOW T \* ACILAN  
 YELLOW GG \* A.F. YELLOW NO. 4 \* AIREDALE YELLOW T \* AIZEN TARTRAZINE \*  
 AMACID YELLOW T \* ATUL TARTRAZINE \* BUCACID TARTRAZINE \* CALCOCID  
 YELLOW MCG \* CALCOCID YELLOW XX \* CANACERT TARTRAZINE \* 3-CARBOXY-5-  
 HYDROXY-1-P-SULFOPHENYL-4-P-SULFOPHENYLAZOPYRAZOLE TRISODIUM SALT \*  
 CERTICOL TARTRAZOL YELLOW S \* CILEFA YELLOW T \* C.I. 640 \* C.I. 19140  
 \* C.I. ACID YELLOW 23 \* C.I. ACID YELLOW 23, TRISODIUM SALT \* C.I.  
 FOOD YELLOW 4 \* CURON FAST YELLOW 5G \* D AND C YELLOW NO. 5 \* DOLKVAL  
 TARTRAZINE \* DYE FD AND C YELLOW NO. 5 \* E 102 \* EDICOL SUPRA  
 TARTRAZINE N \* EGG YELLOW A \* ERIO TARTRAZINE \* EUROCERT TARTRAZINE \*  
 FD AND C YELLOW 5 \* FD & C YELLOW NO. 5 TARTRAZINE \* FENAZO YELLOW T \*  
 FOOD YELLOW 4 \* FOOD YELLOW 5 \* HD TARTRAZINE \* HD TARTRAZINE SUPRA \*  
 HEXACERT YELLOW NO. 5 \* HEXACOL TARTRAZINE \* HIDAZID TARTRAZINE \*  
 HISPACID FAST YELLOW T \* HYDRAZINE YELLOW \* HYDROXINE YELLOW L \* KAKO  
 TARTRAZINE \* KAYAKU FOOD COLOUR YELLOW NO. 4 \* KAYAKU TARTRAZINE \*  
 KCA FOODCOL TARTRAZINE PF \* KCA TARTRAZINE PF \* KITON YELLOW T \* LAKE  
 YELLOW \* LEMON YELLOW A \* LEMON YELLOW A GEIGY \* L-GELB 2 (GERMAN) \*  
 MAPLE TARTRAZOL YELLOW \* MITSUI TARTRAZINE \* NAPHTOCARD YELLOW O \*  
 NEKLACID YELLOW T \* OXANAL YELLOW T \* SAN-EI TARTRAZINE \* SCHULTZ NO.  
 737 \* SUGAI TARTRAZINE \* TARTAR YELLOW N \* TARTAR YELLOW S \* TARTAR  
 YELLOW FS \* TARTAR YELLOW PF \* TARTRAN YELLOW \* TARTRAPHENINE \*  
 TARTRAZINE \* TARTRAZINE A EXPORT \* TARTRAZINE B \* TARTRAZINE B.P.C. \*  
 TARTRAZINE EXTRA PURE A \* TARTRAZINE FD&C YELLOW #5 \* TARTRAZINE FQ \*  
 TARTRAZINE G \* TARTRAZINE LAKE \* TARTRAZINE LAKE YELLOW N \*  
 TARTRAZINE M \* TARTRAZINE MCGL \* TARTRAZINE N \* TARTRAZINE NS \*  
 TARTRAZINE O \* TARTRAZINE T \* TARTRAZINE XX \* TARTRAZINE XXX \*  
 TARTRAZINE YELLOW \* TARTRAZOL BPC \* TARTRAZOL YELLOW \* TARTRINE  
 YELLOW O \* TRISODIUM 3-CARBOXY-5-HYDROXY-1-P-SULFOPHENYL-4-P-  
 SULFOPHENYLAZOPYRAZOLE \* TRISODIUM SALT OF 3-CARBOXY-5-HYDROXY-1-  
 SULFOPHENYLAZOPYRAZOLE \* UNITERTRACID YELLOW TE \* USACERT YELLOW NO.  
 5 \* VONDACID TARTRAZINE \* WOOL YELLOW \* XYLENE FAST YELLOW GT \* Y-4 \*  
 1310 YELLOW \* 1409 YELLOW \* YELLOW LAKE 69 \* YELLOW NO. 5 \* YELLOW NO.  
 5 FDC \* ZLUT KYSELA 23 (CZECH) \* ZLUT PIGMENT 100 (CZECH) \* ZLUT  
 POTRAVINARSKA 4 (CZECH) \*

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

## LABEL PRECAUTIONARY STATEMENTS

## HARMFUL

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.  
 WEAR SUITABLE PROTECTIVE CLOTHING.

## 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  
PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, 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 CONTROLS/PERSONAL PROTECTION - - - - -

CHEMICAL SAFETY GOGGLES.

NIOSH/MSHA-APPROVED RESPIRATOR.

MECHANICAL EXHAUST REQUIRED.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

AVOID BREATHING DUST.

AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

WASH THOROUGHLY AFTER HANDLING.

SENSITIZER.

KEEP CONTAINER CLOSED.

HYGROSCOPIC

STORE IN A COOL DRY PLACE.

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

APPEARANCE AND ODOR

ORANGE POWDER

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

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

PROTECT FROM MOISTURE.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:

CARBON MONOXIDE, CARBON DIOXIDE

NITROGEN OXIDES

SULFUR OXIDES

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

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.

MAY CAUSE IRRITATION.

MAY CAUSE ALLERGIC REACTION.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND  
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS #: UQ6400000

PYRAZOLE-3-CARBOXYLIC ACID,

5-HYDROXY-1-(P-SULFOPHENYL)-4-(P-SULFOPHENYL)AZO-,

TRISODIUM SALT

TOXICITY DATA

IPR-RAT LD50:>2 GM/KG

FAONAU 38B,88,1966

IVN-RAT LD50:>2 GM/KG

APFRAD 15,402,1957

ORL-MUS LD50:12750 MG/KG

FAONAU 38B,88,1966

TARGET ORGAN DATA

PERIPHERAL NERVE AND SENSATION (PARESTHESIA)

MUSCULO-SKELETAL (CHANGES IN TEETH AND SUPPORTING STRUCTURES)

EFFECTS ON NEWBORN (WEANING OR LACTATION INDEX)

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 ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

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

EUROPEAN INFORMATION

HARMFUL

R 42/43

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.

S 36

WEAR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION

FEREAC 54,7740,1989

NOHS 1974: HZD M2148; NIS 32; TNF 2666; NOS 45; TNE 47875

NOES 1983: HZD M2148; NIS 95; TNF 15429; NOS 99; TNE 318163; TFE 157622

EPA GENETOX PROGRAM 1988, NEGATIVE: HISTIDINE REVERSION-AMES TEST

EPA GENETOX PROGRAM 1988, NEGATIVE: S CEREVISIAE GENE CONVERSION

EPA GENETOX PROGRAM 1988, INCONCLUSIVE: B SUBTILIS REC ASSAY

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001

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