Valid 11/2002 - 01/2003

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MATERIAL SAFETY DATA SHEET

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-SULFOPHENYLZOPYRAZOLE 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 *
HISPACIDFAST YELLOW T * HYDRAZINE YELLOW * HYDROXINE YELLOW L * KAKO
TARTRAZINE * KAYAKU FOOD COLOUR YELLOW NO. 4 * KAYAKU TARTRAZINE *
KCA FOODCOLOR TARTRAZINE PF * KCA TARTRAZINE PF * KITON YELLOW T * LAKE
YELLOW L * LEMON YELLOW A * LEON YELLOW A GELGY * L-GEIB 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 * TARTR
YELLOW FS * TARTR TARTRAZINE 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 BCF * TARTRAZOL YELLOW * TARTRINE
YELLOW O * TRISODIUM 3-CARBOXY-5-HYDROXY-1-P-SULFOPHENYL-4-P-
SULFOPHENYLZOPYRAZOLE * TRISODIUM SALT OF 3-CARBOXY-5-HYDROXY-1-
SULFOPHENYLZOPYRAZOLE * UNITERTRACID YELLOW TE * USACERT YELLOW NO.
5 * VONACID TARTRAZINE * WOOL YELLOW * XYLINE 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 WASH 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.

http://infonew.sigma-aldrich.com/cgi-bin/gx.cgi/Applogic+MSDSInfo.ReturnMSDS
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.
Aoid 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
IFR-RAT LD50:>2 GM/KG
IVN-RAT LD50:>2 GM/KG
OKL-MUS LD50:12750 MG/KG
FAONAU 38B,88,1966
APPRAO 15,402,1957
FAONAU 38B,88,1966

TARGET ORGAN DATA
PERIPHERAL NERVE AND SENSATION (PARESTHE SIA)
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
FERAC 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
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packing slip for additional terms and conditions of sale.
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http://infonew.sigma-aldrich.com/cgi-bin/gx.cgi/Applogic+MSDSInfo.ReturnMSDS 12/12/02