

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 #: T0638  
NAME: TOLUIDINE RED

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

CAS #: 2425-85-6  
MF: C17H13N3O2  
EC NO: 219-372-2

SYNONYMS

ACCOSPERSE TOLUIDINE RED XL \* ADC TOLUIDINE RED B \* ATLASOL SPIRIT  
RED 3 \* CALCOTONE TOLUIDINE RED YP \* CARNELIO HELIO RED \* CERVEN  
PIGMENT 3 (CZECH) \* CHROMATEX RED J \* C.I.12120 \* C.I. PIGMENT RED 3 \*  
C.P. TOLUIDINE TONER A-2989 \* C.P. TOLUIDINE TONER A-2990 \* C.P.  
TOLUIDINE TONER DARK RS-3340 \* C.P. TOLUIDINE TONER DEEP X-1865 \* C.P.  
TOLUIDINE TONER LIGHT RS-3140 \* C.P. TOLUIDINE TONER RT-6101 \* C.P.  
TOLUIDINE TONER RT-6104 \* DAINICHI PERMANENT RED 4 R \* D AND C RED NO.  
35 \* DEEP FASTONA RED \* DUPLEX TOLUIDINE RED L 20-3140 \* ELJON FAST  
SCARLET PV EXTRA \* ELJON FAST SCARLET RN \* ENIALIT LIGHT RED RL \*  
FASTONA RED B \* FASTONA SCARLET RL \* FASTONA SCARLET YS \* FAST RED A  
(PIGMENT) \* FAST RED AB \* FAST RED J \* FAST RED JE \* FAST RED R \*  
GRAPHTOL RED A-4RL \* HANSA RED B \* HANSA RED G \* HANSA SCARLET RB \*  
HANSA SCARLET RN \* HANSA SCARLET RNC \* HELIO FAST RED BN \* HELIO FAST  
RED RL \* HELIO FAST RED RN \* HELIO RED RL \* HELIO RED TONER \*  
HISPALIT FAST SCARLET RN \* INDEPENDENCE RED \* IRGALITE FAST RED P4R \*  
IRGALITE FAST SCARLET RND \* IRGALITE RED PV2 \* IRGALITE RED RNPX \*  
IRGALITE SCARLET RB \* ISOL FAST RED HB \* ISOL FAST RED RNB \* ISOL  
FAST RED RN2B \* ISOL FAST RED RNG \* ISOL FAST RED RN2G \* ISOL  
TOLUIDINE RED HB \* ISOL TOLUIDINE RED RNB \* ISOL TOLUIDINE RED RN2B \*  
ISOL TOLUIDINE RED RNG \* ISOL TOLUIDINE RED RN2G \* KROMON HELIO FAST  
RED \* KROMON HELIO FAST RED YS \* LAKE RED 4R \* LAKE RED 4RII \* LITHOL  
FAST SCARLET RN \* LUTETIA FAST RED 3R \* LUTETIA FAST SCARLET RF \*  
LUTETIA FAST SCARLET RJN \* 1-((4-METHYL-2-NITROPHENYL)AZO)-2-  
NAPHTHALENOL \* MONOLITE FAST SCARLET CA \* MONOLITE FAST SCARLET GSA \*  
MONOLITE FAST SCARLET RB \* MONOLITE FAST SCARLET RBA \* MONOLITE FAST  
SCARLET RN \* MONOLITE FAST SCARLET RNA \* MONOLITE FAST SCARLET RNV \*  
MONOLITE FAST SCARLET RT \* NCI-C60366 \* 1-((2-NITRO-4-METHYLPHENYL)) Tj ET BT /PjCouri  
  
SCARLET \* ORALITH RED P4R \* PERMANENT RED 4R \* PIGMENT RED 3 \*  
PIGMENT RED RL \* PIGMENT RUBY \* PIGMENT SCARLET \* PIGMENT SCARLET  
(RUSSIAN) \* PIGMENT SCARLET B \* PIGMENT SCARLET N \* PIGMENT SCARLET R  
\* POLYMO RED FGN \* RECOLITE FAST RED RBL \* RECOLITE FAST RED BL \*  
RECOLITE FAST RED RYL \* SANYO SCARLET PURE \* SANYO SCARLET PURE NO.  
1000 \* SCARLET PIGMENT RN \* SEGNALE LIGHT RED B \* SEGNALE LIGHT RED  
2B \* SEGNALE LIGHT RED BR \* SEGNALE LIGHT RED C4R \* SEGNALE LIGHT RED  
RL \* SIEGLE RED 1 \* SIEGLE RED B \* SIEGLE RED BB \* SILOGOMMA RED RLL \*  
SILOSOL RED RBN \* SILOSOL RED RN \* SILOTON RED BRLL \* SILOTON RED  
RLL \* SYMULER FAST SCARLET 4R \* SYTON FAST SCARLET RB \* SYTON FAST  
SCARLET RD \* SYTON FAST SCARLET RN \* TERTROPIGMENT RED HAB \*  
TERTROPIGMENT SCARLET LRN \* TOLUIDINE RED \* TOLUIDINE RED 10451 \*  
TOLUIDINE RED 3B \* TOLUIDINE RED BFB \* TOLUIDINE RED BFGG \* TOLUIDINE  
RED D 28-3930 \* TOLUIDINE RED LIGHT \* TOLUIDINE RED M 20-3785 \*  
TOLUIDINE RED R \* TOLUIDINE RED 4R \* TOLUIDINE RED RT-115 \* TOLUIDINE  
RED TONER \* TOLUIDINE RED XL 20-3050 \* TOLUIDINE TONER \* TOLUIDINE

TONER DARK 5040 \* TOLUIDINE TONER 4R X-2700 \* TOLUIDINE TONER HR X-2741 \* TOLUIDINE TONER KEEP HR X-2742 \* TOLUIDINE TONER L 20-3300 \* TOLUIDINE TONER RT-252 \* VERSAL SCARLET PRNL \* VERSAL SCARLET RNL \* VULCAFOR SCARLET A \*

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -  
LABEL PRECAUTIONARY STATEMENTS

HARMFUL  
LIMITED EVIDENCE OF CARCINOGENIC EFFECT.  
POSSIBLE CARCINOGEN.  
TARGET ORGAN(S):  
BONE MARROW  
KIDNEYS  
DO NOT BREATHE DUST.  
WEAR SUITABLE PROTECTIVE CLOTHING.

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

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.  
DISCARD CONTAMINATED CLOTHING AND SHOES.

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- - - - -

EVACUATE AREA.  
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 CONTROLS/PERSONAL PROTECTION- - - - -

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

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

APPEARANCE AND ODOR  
SOLID.

PHYSICAL PROPERTIES  
MELTING POINT: 270 C TO 272 C

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

STABILITY  
STABLE.  
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS  
THERMAL DECOMPOSITION MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, AND NITROGEN OXIDES.  
HAZARDOUS POLYMERIZATION

WILL NOT OCCUR.

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

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.

MAY CAUSE IRRITATION.

PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS IN CERTAIN SENSITIVE INDIVIDUALS.

CHRONIC EFFECTS

POSSIBLE CARCINOGEN.

TARGET ORGAN(S):

BONE MARROW

KIDNEYS

LIVER

SPLEEN

THYROID

ADRENAL MEDULLA

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND