



chemists helping chemists in research & industry

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DATE: 08/06/90
CUST#: 938609
PO#: P0066012

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

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IDENTIFICATION

PRODUCT #: S652-5
CAS #: 63-74-1
MF: C6H8N2O2S

NAME: SULFANILAMIDE, 98%

SYNONYMS

ALBEXAN * ALBOSAL * AMBESIDE * P-AMINOBENZENESULFAMIDE * P-AMINOBENZENESULFONAMIDE * 4-AMINOBENZENESULFONAMIDE * P-AMINOPHENYLSULFONAMIDE * 4-AMINOPHENYL SULFONAMIDE * P-ANILINESULFONAMIDE * ANILINE-P-SULFONIC AMIDE * ANTISTREPT * ASTREPTINE * ASTROCID * BACTERAMID * BACTESID * BENZENESULFONAMIDE, P-AMINO- * COLLOMIDE * COLSULANYDE * COPTICIDE * DESEPTYL * DIPRON * ERGASEPTINE * ERYSPAN * ESTREPTOCIDA * F 1162 * 1162 F * FOURNEAU 1162 * GERISON * GOMBARDOL * LUSIL * LYSOCOCCINE * NEOCOCYL * ORGASEPTINE * PABS * PRONTALBIN * PRONTOSIL ALBUM * PRONTOSIL I * PRONTOSIL WHITE * PRONTYLIN * PRONZIN ALBUM * PROSEPTAL * PROSEPTINE * PROSEPTOL * PYSOCOCCINE * RUBIAZOL A * SANAMID * SEPTAMIDE ALBUM * SEPTANILAM * SEPTINAL * SEPTOLIX * SEPTOPLEX * SEPTOPLIX * STOPTON ALBUM * STRAMID * STREPAMIDE * STREPSAN * STREPTAGOL * STREPTAMID * STREPTASOL * STREPTOCID ALBUM * STREPTOCIDE WHITE * STREPTOCLASE * STREPTOCOM * STREPTOL * P-SULFAMIDANILINE * STREPTON * STREPTOSIL * STREPTOZOL * STREPTOZONE * STREPTROCIDE * SULFAMIDYL * SULFAMINE * SULFANA * SULFANALONE * SULFANIL * SULFOCIDIN * SULFOCIDINE * SULFONAMIDE * SULFONAMIDE P * SULPHANILAMIDE * THERAPOL * WHITE STREPTOCIDE *

TOXICITY HAZARDS

RTECS NO: W08400000

SULFANILAMIDE

TOXICITY DATA

ORL-RAT LD50:3900 MG/KG
IVN-RAT LD50:1400 MG/KG
ORL-MUS LD50:3 GM/KG
IPR-MUS LD50:5 MG/KG
SCU-MUS LD50:2900 MG/KG
IVN-MUS LD50:587 MG/KG
ORL-DOG LD50:2000 MG/KG
ORL-RBT LD50:1300 MG/KG
ORL-GPG LD50:3130 MG/KG

85JCAE -,1072,86
AEPPAE 211,367,50
NYKZAU 48,336,52
85ERAY 2,1364,78
ARZNAD 5,213,55
JTDXA3 33,503,40
PCOC** -,1079,66
GISAAA 31(3),11,66
JPETAB 82,86,44

REVIEWS, STANDARDS, AND REGULATIONS

NOHS 1974: HZD 84382; NIS 3; TNF 149; NOS 9; TNE 3565
NOES 1983: HZD 84382; NIS 6; TNF 643; NOS 11; TNE 6415; TFE 3100
EPA GENETOX PROGRAM 1988, POSITIVE: ASPERGILLUS-RECOMBINATION
EPA GENETOX PROGRAM 1988, NEGATIVE: ASPERGILLUS-ANEUPLOIDY; N CRASSA-ANEUPLOIDY
EPA GENETOX PROGRAM 1988, INCONCLUSIVE: CARCINOGENICITY-MOUSE/RAT
EPA TSCA CHEMICAL INVENTORY, 1989

TARGET ORGAN DATA

SPECIFIC DEVELOPMENTAL ABNORMALITIES (BLOOD AND LYMPHATIC SYSTEMS)
EFFECTS ON NEWBORN (LIVE BIRTH INDEX)
EFFECTS ON NEWBORN (VIABILITY INDEX)

CONTINUED ON NEXT PAGE

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TOXICITY HAZARDS

EFFECTS ON NEWBORN (WEANING OR LACTATION INDEX)
EFFECTS ON NEWBORN (GROWTH STATISTICS)
TUMORIGENIC (CARCINOGENIC BY RTECS CRITERIA)
TUMORIGENIC (TUMORS AT SITE OF APPLICATION)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS)
DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

HEALTH HAZARD DATA

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE IRRITATION.

CHRONIC EFFECTS

LABORATORY EXPERIMENTS HAVE SHOWN MUTAGENIC EFFECTS.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID

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.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

PHYSICAL DATA

MELTING PT: 164 C TO 166 C
APPEARANCE AND ODOR
WHITE CRYSTALLINE POWDER

FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA

WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.

SPECIAL FIREFIGHTING PROCEDURES

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

UNUSUAL FIRE AND EXPLOSION HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

REACTIVITY DATA

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

CONTINUED ON NEXT PAGE

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REACTIVITY DATA

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES
SULFUR OXIDES

SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

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.

WASTE DISPOSAL METHOD

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 LAWS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

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

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