

Material Safety Data Sheet

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 Version 1.1
 According to 91/155/EEC

1 - Product and Company Information

Product Name SULFANILAMIDE
 Product Number S9251
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2 - Composition/Information on Ingredients

Product Name	CAS #	EC no	Annex I Index Number
SULFANILAMIDE	63-74-1	200-563-4	None
Formula	C6H8N2O2S		
Molecular Weight	172.21 AMU		
Synonyms	Albexan * Albosal * Ambeside * p-Aminobenzenesulfamide * p-Aminobenzenesulfonamide * 4-Aminobenzenesulfonamide * p-Aminophenylsulfonamide * 4-Aminophenylsulfonamide * p-Anilinesulfonamide * * Aniline-p-sulfonic amide * Antistrept * Astreptine * Astrocid * Bacteramid * Bactesid * Benzenesulfonamide, p-amino- * Collomide * Colsulanyde * Copticide * Deseptyl * Dipron * Ergaseptine * Erysipan * Estreptocida * F 1162 * 1162 F * Fourneau 1162 * Gerison * Gombardol * Lusil * Lysococcine * Neococcyl * 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-Sulfamidoaniline * Strepton *		

3 - Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT
 Not hazardous according to Directive 67/548/EC.

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious amounts of water.

AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

METHODS FOR CLEANING UP

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.

7 - Handling and Storage

HANDLING

Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Conditions of Storage: Keep tightly closed.

8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Wear dust mask.

Hand Protection: Protective gloves.
Eye Protection: Chemical safety goggles.

9 - Physical and Chemical Properties

Appearance	Physical State: Solid	
Property	Value	At Temperature or Pressure
pH	N/A	
BP/BP Range	N/A	
MP/MP Range	165 - 167 °C	
Flash Point	N/A	
Flammability	N/A	
Autoignition Temp	N/A	
Oxidizing Properties	N/A	
Explosive Properties	N/A	
Explosion Limits	N/A	
Vapor Pressure	N/A	
SG/Density	N/A	
Partition Coefficient	N/A	
Viscosity	N/A	
Vapor Density	N/A	
Saturated Vapor Conc.	N/A	
Evaporation Rate	N/A	
Bulk Density	N/A	
Decomposition Temp.	N/A	
Solvent Content	N/A	
Water Content	N/A	
Surface Tension	N/A	
Conductivity	N/A	
Miscellaneous Data	N/A	
Solubility	N/A	

10 - Stability and Reactivity

STABILITY

Stable: Stable.
Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Sulfur oxides.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11 - Toxicological Information

RTECS NUMBER: WO8400000

ACUTE TOXICITY

LD50
Oral
Rat
3900 mg/kg

LD50
Intravenous
Rat
1400 MG/KG

LD50
Oral
Mouse
3000 mg/kg

LD50
Intraperitoneal
Mouse
5 MG/KG

LD50
Subcutaneous
Mouse
2900 MG/KG

LD50
Intravenous
Mouse
500 MG/KG

LD50
Oral
Dog
2000 mg/kg

LD50
Oral
Rabbit
1300 mg/kg

LD50
Oral
Guinea pig
3130 mg/kg

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.

CHRONIC EXPOSURE - CARCINOGEN

Rat
Route of Application: Subcutaneous
Exposure Time: 9W
Result: Tumorigenic: Carcinogenic by RTECS criteria.
Tumorigenic: Tumors at site or application.

CHRONIC EXPOSURE - MUTAGEN

Rat
30 UMOL/L
Cell Type: liver
DNA damage

CHRONIC EXPOSURE - TERATOGEN

Species: Woman
Dose: 974 MG/KG
Route of Application: Unreported
Exposure Time: (34-37W PREG)
Result: Specific Developmental Abnormalities: Blood and lymphatic system (including spleen and marrow).

CHRONIC EXPOSURE - REPRODUCTIVE HAZARD

Species: Rat
Dose: 22 MG/KG
Route of Application: Oral
Exposure Time: (1-22D PREG)
Result: Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Effects on Newborn: Viability index (e.g., # alive at day 4 per # born alive). Effects on Newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4).

Species: Rat
Dose: 22 MG/KG
Route of Application: Oral
Exposure Time: (1-22D PREG)
Result: Effects on Newborn: Growth statistics (e.g., reduced weight gain).

12 - Ecological Information

No data available.

13 - Disposal Considerations

SUBSTANCE DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. 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.

14 - Transport Information

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15 - Regulatory Information

Not hazardous according to Directive 67/548/EC.

16 - Other Information

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The

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