

Material Safety Data Sheet

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Version 1.2

According to 91/155/EEC

1 - Product and Company Information

Product Name (+)-SULPIRIDE
Product Number S8010

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2 - Composition/Information on Ingredients

Product Name	CAS #	EC no	Annex I Index Number
(+)-SULPIRIDE	15676-16-1	239-753-7	None

Formula C15H23N3O4S
Molecular Weight 341.4 AMU
Synonyms Abilit * Aiglonyl *
5-(Aminosulfonyl)-N-((1-ethyl-2-pyrrolidinyl)methyl)-2-methoxybenzamide * Benzamide,
5-(aminosulfonyl)-N-((1-ethyl-2-pyrrolidinyl)methyl)-2-methoxy- (9CI) * Coolspan * Dobren *
Dogmatil * Dogmatyl * Eglonyl *
N-((1-Ethyl-2-pyrrolidinyl)methyl)-2-methoxy-5-sulfamoylbenzamide *
N-((1-Ethyl-2-pyrrolidinyl)methyl)-5-sulfamoyl-o-anisamide * Guastil * Miradol * Mirbanil *
Misulvan * Omperan * Pyrkappl * R.D. 1403 *
Sernevin * Splotin * Sulpirid * Sulpiride *
Sulpyrid * Sursumid

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.
Store at 2-8°C

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	N/A
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: BZ3400000

ACUTE TOXICITY

LD50

Oral

Rat

9800 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity).

Lungs, Thorax, or Respiration:Respiratory depression.

Gastrointestinal:Hypermotility, diarrhea.

LD50

Intraperitoneal

Rat

210 MG/KG

LD50

Subcutaneous

Rat

360 MG/KG

LD50
Intravenous
Rat
40 MG/KG

LD50
Oral
Mouse
1700 mg/kg

LD50
Intraperitoneal
Mouse
170 MG/KG

LD50
Subcutaneous
Mouse
290 MG/KG

LD50
Intravenous
Mouse
48 MG/KG

LD50
Oral
Dog
2000 mg/kg
Remarks: Behavioral:Somnolence (general depressed activity).
Lungs, Thorax, or Respiration:Respiratory depression.
Gastrointestinal:Hypermotility, diarrhea.

LD50
Subcutaneous
Dog
350 MG/KG
Remarks: Behavioral:Somnolence (general depressed activity).
Behavioral:Muscle contraction or spasticity. Lungs, Thorax, or
Respiration:Respiratory depression.

LD50
Intravenous
Dog
137 MG/KG
Remarks: Behavioral:Somnolence (general depressed activity).
Behavioral:Muscle contraction or spasticity. Lungs, Thorax, or
Respiration:Respiratory depression.

LD50
Oral
Rabbit
4000 mg/kg
Remarks: Behavioral:Somnolence (general depressed activity).
Lungs, Thorax, or Respiration:Respiratory depression.
Gastrointestinal:Hypermotility, diarrhea.

LD50
Subcutaneous
Rabbit
2 GM/KG
Remarks: Behavioral:Somnolence (general depressed activity).

Behavioral:Muscle contraction or spasticity. Lungs, Thorax, or
Respiration:Respiratory depression.

LD50

Intravenous

Rabbit

63 MG/KG

Remarks: Behavioral:Somnolence (general depressed activity).
Behavioral:Muscle contraction or spasticity. Lungs, Thorax, or
Respiration:Respiratory depression.

SIGNS AND SYMPTOMS OF EXPOSURE

Tachycardia, arrhythmias, hypertension, fatigue, agitation,
sleep disorders, overstimulation, amenorrhoea, galactorrhoea,
gynaecomastia, extrapyramidal dysfunction, impotence, skin rash,
and photosensitization. To the best of our knowledge, the
chemical, physical, and toxicological properties have not been
thoroughly investigated. Exposure can cause:

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.

TARGET ORGAN INFORMATION

Central nervous system.

CHRONIC EXPOSURE - REPRODUCTIVE HAZARD

Species: Rat Rat

Dose: 1015 MG/KG 1015 MG/KG

Route of Application: Subcutaneous Subcutaneous

Exposure Time: (29D PRE) (29D PRE)

Result: Maternal Effects: Ovaries, fallopian tubes. Maternal
Effects: Menstrual cycle changes or disorders. Maternal Effects:
Ovaries, fallopian tubes. Maternal Effects: Menstrual cycle
changes or disorders.

Species: Rat Rat

Dose: 181 MG/KG 181 MG/KG

Route of Application: Subcutaneous Subcutaneous

Exposure Time: (1D PRE) (1D PRE)

Result: Effects on Fertility: Other measures of fertility
Effects on Fertility: Other measures of fertility

Species: Dog Dog

Dose: 45500 MG/KG 45500 MG/KG

Route of Application: Oral Oral

Exposure Time: (91D PRE) (91D PRE)

Result: Maternal Effects: Uterus, cervix, vagina. Maternal
Effects: Uterus, cervix, vagina.

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 information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., 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 2005 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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