

SECTION 1: Identification

1.1. Identification

Product form	: Substance
Substance name	: SULPHANILAMIDE
Chemical name	: 4-Aminobenzenesulfonamide ; Sulfanilamide
CAS-No.	: 63-74-1
Product code	: AEB2036, AEB2048
Formula	: C6H8N2O2S

1.2. Recommended use and restrictions on use

Use of the substance/mixture	: Laboratory chemicals
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1.3. Supplier

Alpha Resources LLC
3090 Johnson Rd.
Stevensville, Michigan 49127
USA
T (269)465-5559
info@alpharesources.com - www.alpharesources.com

1.4. Emergency telephone number

Emergency number	: CHEMTREC Emergency Phone Number: (800) 424-9300
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SECTION 2: Hazard(s) identification


2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation
Full text of H statements : see section 16		

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)	:	
Signal word (GHS US)	:	Warning
Hazard statements (GHS US)	:	H315 - Causes skin irritation H319 - Causes serious eye irritation
Precautionary statements (GHS US)	:	P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - If on skin: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 - Specific treatment (see supplemental first aid instruction on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Name : SULPHANILAMIDE
CAS-No. : 63-74-1

Name	Product identifier	%	GHS US classification
SULPHANILAMIDE	CAS-No.: 63-74-1	100	Not classified

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a well-ventilated place. Keep cool.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

SULPHANILAMIDE (63-74-1)

No additional information available

SULPHANILAMIDE (63-74-1)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Protective gloves
Eye protection:
Safety glasses
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Color	: Off-white
Odor	: odorless
Odor threshold	: No data available
pH	: 5.8 Source: National Library of Medicine/Hazardous Substances Data Bank
Melting point	: 165.5 °C Source: National Library of Medicine/Hazardous Substances Data Bank
Freezing point	: Not applicable
Boiling point	: 401 °C Source: The Chemical Database, The Department of Chemistry at the University of Akron
Flash point	: 196 °C Source: The Chemical Database, The Department of Chemistry at the University of Akron
Relative evaporation rate (butyl acetate=1)	: No data available

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Flammability (solid, gas)	: Non flammable.
Vapor pressure	: 0.0000073 mm Hg at 25 °C Source: ChemIDplus
Relative vapor density at 20°C	: 5.94 Source: Calculated value based on molecular weight and mean molecular weight of air
Relative density	: 1.08 Source: National Library of Medicine/Hazardous Substances Data Bank
Molecular mass	: 172.21 g/mol Source: ChemIDplus
Solubility	: Water: 7500 mg/l
Partition coefficient n-octanol/water (Log Pow)	: -0.62 Source: National Library of Medicine/Hazardous Substances Data Bank
Auto-ignition temperature	: Not applicable.
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosion limits	: Not applicable
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

SULPHANILAMIDE (63-74-1)	
LD50 oral rat	3900 mg/kg Source: National Library of Medicine
ATE US (oral)	3900 mg/kg body weight

SULPHANILAMIDE (63-74-1)	
LD50 oral rat	3900 mg/kg Source: National Library of Medicine
LD50 oral	3000 mg/kg
LD50 dermal	3130 mg/kg
ATE US (oral)	3000 mg/kg body weight
ATE US (dermal)	3130 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation. pH: 5.8 Source: National Library of Medicine/Hazardous Substances Data Bank
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SULPHANILAMIDE (63-74-1)	
pH	5.8 Source: National Library of Medicine/Hazardous Substances Data Bank

Serious eye damage/irritation : Causes serious eye irritation.
pH: 5.8 Source: National Library of Medicine/Hazardous Substances Data Bank

SULPHANILAMIDE (63-74-1)	
pH	5.8 Source: National Library of Medicine/Hazardous Substances Data Bank

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : Not applicable
Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

SULPHANILAMIDE (63-74-1)	
LC50 - Fish [1]	3967.256 mg/l Source: Ecological Structure Activity Relationships

SULPHANILAMIDE (63-74-1)	
LC50 - Fish [1]	3967.256 mg/l Source: Ecological Structure Activity Relationships

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

SULPHANILAMIDE (63-74-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.62 Source: National Library of Medicine/Hazardous Substances Data Bank

SULPHANILAMIDE (63-74-1)	
Partition coefficient n-octanol/water (Log Pow)	-0.62 Source: National Library of Medicine/Hazardous Substances Data Bank

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

Not regulated for transport

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14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not applicable

TDG

Transport hazard class(es) (TDG) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
SULPHANILAMIDE	63-74-1	Not present	-	

15.2. International regulations

CANADA

SULPHANILAMIDE (63-74-1)

Listed on the Canadian DSL (Domestic Substances List)

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EU-Regulations

No additional information available

National regulations

SULPHANILAMIDE (63-74-1)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 9/30/2024

Full text of H-phrases	
H315	Causes skin irritation
H319	Causes serious eye irritation

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.