

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)
Classifications according to Regulation (EC) No 1272/2008.
Printdate 24 Nov 2025

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product name:

Sulfaguanidine monohydrate

1.1. Catalog No.:

684800

1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical
uses: R&D

1.3. Uses advised against:

HPC Standards GmbH
An der Laakenwiese 7

04838 Jesewitz
Deutschland

Tel. +49 34241 54 990
Fax. +49 34241 54 9999
contact@hpc-standards.com

1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36
This number is only available during office hours.

2. HAZARDS IDENTIFICATION

2.1
Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Skin irritation
(
Category 2
)
,
H315
Eye irritation
(
Category 2
)
,
H319
Specific target organ toxicity
-
single exposure
(
Category 3
)
,
H335 Classifica
tion according to EU Directives 67/548/EEC or 1999/45/EC
Xi
Irritant
R36/37/38

2.2. Label elements

2.2.1. Pictogram



2.2.2.

2.2
Label elements
Labelling according Regulation (EC) No 1272/2008
Pictogram Signal word
Warning
Hazard statement(s)
H315
Causes skin irritation.
H319
Causes serious eye irritation.
H335
May cause respiratory Irritation
Precautionary statement(s)
P261
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305 + P351 + P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard
Statements
none
2.3
Other hazards
-
none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1
Substances
Synonyms
:
4
-
Amino
-
N
-
(aminoiminomethyl)benzenesulfonamide, 4
-
Amino
-
N
-
guanylbzenesulfonamide
Formula
:
C
7
H
10
N
4
O
2
S
Molecular Weight
:

214,24 g/mol
CAS
-
No.
:
57
-
67
-
0
EC
-
No.
:
200
-
345
-
9
Hazardous ingredients according to Regulation (EC) No 1272/2008
Component
Classification
Concentration
Sulfaguanidine
Skin Irrit.
2
:
Eye Irrit.
2
:
STOT
SE
3
:
H315, H319, H335
-

3.1.1. Formula

C₇H₁₂N₄O₃S

3.1.2. Molecular Weight (g/mol)

232.26

3.1.3. CAS-No.

6190-55-2

4. FIRST AID MEASURES

4.1

Description of first aid measures

General advice

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2

.2) and/or in

section 11

4.3

Indication of any immediate medical attention and special treatment needed

no data available

5. FIRE-FIGHTING MEASURES

5.1

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol

-

resistant foam, dry chemical or carbon dioxide.

5.2

Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx), Sulphur oxides

5.3

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary. 5.4

Further information

no data available

6. ACCIDENTAL RELEASE MEASURES

6.1

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Av

oid dust formation. Avoid breathing vapours, mist or gas. Ensure

adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

6.2

Environmental precautions

Do not let product enter drains.

6.3

Methods

and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4

Reference to other sections

For disposal see section 13

7. HANDLING AND STORAGE

7.1

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

For precautions see section 2.2.

7.2

Conditions for safe storage, including any incompatibilities

Store in cool place.

Keep container tightly closed in a dry and well

-

ventilated place.

7.3

Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters Components with workplace control parameters Contains no substances with occupational exposure limit values. 8.2 Exposure controls Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection Handle with gloves.

Body Protection impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Control of environmental exposure Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1

Information on basic physical and chemical properties

a)

Appearance

Form

:

powder

Colour

:

white

b)

Odour

no data available

c)

Odour Threshold

no data available

d)

pH

no data available

e)

Melting point/freezing

point

no data available

f)

Initial boiling point and
boiling range

no data available
g)
Flash point
no data available
h)
Evaporation rate
no data available
i)
Flammability (solid, gas)
no data available
j)
Upper/lower
flammability or
explosive limits
no data available
k)
Vapour pressure
no data available
l)
Vapour density
no data available
m)
Relative density
no data available
n)
Water solubility
no data available
o)
Partition coefficient: n
-
octanol/water
no data available
p)
Auto
-
ignition
temperature
no data available
q)
Decomposition
temperature
no data available
r)
Viscosity
no data available
s)
Explosive properties
no data available
t)
Oxidizing properties
no data available
9.2
Other safety information
no data available

10. STABILITY AND REACTIVITY

10.1
Reactivity
no data available
10.2
Chemical stability
Stable under recommended storage conditions.
10.3
Possibility of hazardous reactions
no data available
10.4
Conditions to avoid
no data available
10.5
Incompatible materials
Strong oxidizing agents

10.6
Hazardous decomposition products
Other decomposition products
-
no data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1
Information on toxicological effects
Acute toxicity
no data available
Skin corrosion/irritation
no data available
Serious eye damage/eye irritation
no data available
Respiratory or skin sensitisation
no data available
Germ cell mutagenicity
Histidine reversion (Ames)
Carcinogenicity
IARC:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity
Reproductive toxicity
-
rat
-
Oral
Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).
Effects on Fertility: Male fertility index (e.g., # males impregnating females per # males exposed to fertile nonpregnant females).
Reproductive toxicity
-
rat
-
Oral
Effects on Fertility: Post
-
implantation mortality (e.g., dead and/or resorbed implants per total number of implants). Effects on Fertility: Litter size (e.g., # fetuses per litter; measured before birth). Effects on Fertility: Abortion.
Developmental Toxicity
-
rat
-
Oral
Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
Specific target organ toxicity
-
single exposure
Inhalation
-
May cause respiratory Irritation. Specific target organ toxicity
-
repeated exposure
no data available
Aspiration hazard
no data available
Additional Information
RTECS
:
WO8575000
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1

Toxicity

no data available

12.2

Persistence and degradability

no data available

Bioaccumulative potential

no data available

12.4

Mobility in soil

no data available

12.5

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

13.1

Waste treatment methods

Product

Offer surplus and non

-

recyclable solutions to a licensed disposal company.

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.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1

UN number

ADR/RID

:

-

IMDG

:

-

IATA:

-

14.2

UN proper shipping name

ADR/RID

:

Not dangerous goods

IMDG

:

Not dangerous goods

IATA:

Not dangerous goods

14.3

Transport hazard class(es)

ADR/RID

:
-
IMDG
:
-
IATA:
-
14.4
Packaging group
ADR/RID
:
-
IMDG
:
-
IATA:
-
14.5
Environmental hazards
ADR/RID
:
no
IMDG
Marine pollutant
:
no
IATA:
no
14.6
Special precautions for user
no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1

Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

15.2

Chemical Safety Assessment

For

this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

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. For lab use only!