

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION Product Name: 2,5-Dibromo-4-(chloromethyl)thiazole Compound ID: AG00GRUG CAS Number: 934236-33-6 Indentified uses: Laboratory chemicals, manufacture of chemical compounds Company: Angene 2. HAZARDS IDENTIFICATION GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) Acute toxicity, oral,(Category 4), H302 Skin corrosion/irritation,(Category 2), H315 Serious eye damage/eye irritation,(Category 2A), H319 Specific target organ toxicity, single exposure; Respiratory tract irritation, (Category 3), H335 For the full text of the H-Statements mentioned in this Section, see Section 16. Pictogram Signal Word warning Hazard statements H302 Harmful if swallowed Causes skin irritation H315 H319 Causes serious eye irritation H335 May cause respiratory irritation Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes.Remove contact lenses,if P305+P351+P338 present and easy to do. Continue rinsing.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	2,5-Dibromo-4-(chloromethyl)thiazole	
CAS Number:	934236-33-6	
Molecular Formula:	C4H2Br2CINS	
Molecular Weight:	291.3914	g/mol

4. FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

P280

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.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2 or section 11)

Indication of any immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES

Extinguishing media Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NOx), Hydrogen bromide gas

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

no data available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid 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.

Environmental precautions

Do not let product enter drains.

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.

Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

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.

Conditions for safe storage, including any incompatibilities

Specific end use(s)

Apart from the uses mentioned in section 1, no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses 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. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Complete suit protecting against chemicals, 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

Information on basic physical and chemical properties

Other safety information

no data available

10. STABILITY AND REACTIVITY

Reactivity:	no data available
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	no data available
Conditions to avoid	no data available
Incompatible materials	no data available
Hazardous decomposition products	no data available
Other decomposition products:	no data available
In the event of fire:	see section 5

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Dermal: Skin corrosion/irritation: Serious eye damage/irritation	no data available no data available no data available no data available
Respiratory or skin sensitisation	The preceding data, or interpretation of data, was determined using Quantitative Structure Activity Relationship (QSAR) modeling.
Germ cell mutagenicity Carcinogenicity:	no data available
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.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	

Specific target organ toxicity - single	Inhalation - May cause respiratory irritation.
exposure	
Specific target organ toxicity -	no data available
repeated exposure	
Aspiration hazard	no data available
Additional Information	RTECS: Not available

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

12. ECOLOGICAL INFORMATION			
Toxicity Persistence and degradability Bioaccumulative potential Mobility in soil Results of PBT and vPvB assessment Other adverse effects	no data available no data available no data available no data available PBT/vPvB assessment no conducted no data available	t available as chemi	cal safety assessment not required/not
13. DISPOSAL CONSIDERATIONS	5		
Waste treatment methods	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a		
Contaminated packaging	licensed professional waste disposal service to dispose of this material.		
Contaminated packaging	Dispose of as unused proc	luct.	
14. TRANSPORT INFORMATION			
DOT (US)	UN number: UN 2811 Proper shipping name:	Class: 6.1	Packing group: III
IMDG	UN number: UN 2811	Class: 6.1	Packing group: III
	Proper shipping name:		
ΙΑΤΑ	UN number: UN 2811 Proper shipping name:	Class: 6.1	Packing group: III
15. REGULATORY INFORMATION			

No chemicals in this material are subject to the reporting requirements of SARA Title III, SARA 302: Section 302. SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards Acute Health Hazard Massachusetts Right To Know No components are subject to the Massachusetts Right to Know Act. Components Pennsylvania Right To Know Components New Jersey Right To Know Components California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Eye Irrit.	Eye irritation
Skin Irrit.	Skin irritation
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

Further 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. Angene shall not be held liable for any damage resulting from handling or from contact with the above product. See invoice or packing slip for additional terms and conditions of sale.