

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: 2,3,5-TRIPHENYL TETRAZOLIUM BROMIDE AR

CAS#: 1096-80-6 C.I. No.: Not available. Synonym: Not available.

Chemical Name: Not available. Chemical Formula: Not available.

Composition and Information on Ingredients

Name	S.K.U	% by Weight
2,3,5-TRIPHENYL	GCS-8331	100
TETRAZOLIUM BROMIDE AR		

Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1999/45 Classification : Xn;

R22

Xi; R36/37/38

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Specific Target Organ Toxicity - Single exposure -

Respiratory tract irritation - Category 3 - Warning (CLP:

STOT SE 3) H335

Skin irritation - Category 2 - Warning (CLP : Skin Corr. 2) H315 Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302 Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319

Other hazards: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

First Aid Measures

Description of first aid measures

Inhalation

Call a POISON CENTER or doctor if you feel unwell. Remove to fresh air and keep at rest in a position comfortable for breathing.



Skin contact

If skin irritation occurs: Get medical advice. Specific treatment (see on this label). Wash with plenty of soap and water. Wash contaminated clothing before reuse.

Eve contact

Get medical advice. If eye irritation persists: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

Ingestion:

Obtain emergency medical attention. Call a POISON CENTER or doctor if you feel unwell. Do NOT induce vomiting. Rinse mouth.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Swallowing a small quantity of this material will result

in serious health

hazard.

Causes serious eye irritation.

Causes skin irritation. May cause respiratory

irritation.

Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Fire and Explosion Data

Extinguishing media

Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water

spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed

containers.

Special hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will

be present.

Advice for fire-fighters

Protection against fire : Do not enter fire area without proper

protective equipment,

Including respiratory protection.

Special procedures : Exercise caution when fighting any chemical

fire. Avoid (reject)

fire-fighting water to enter environment.

Accidental Release Measures

Personal precautions, protective equipment and emergency



procedures For emergency responders

with proper protection.

: Equip cleanup crew

Ventilate area.

For non-emergency personnel : Evacuate unnecessary personnel.

Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters.

Notify authorities if

product enters sewers or public waters. Avoid release

to the

environment.

Methods and materials for containment and cleaning up

Clean up methods: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Handling and Storage

Precautions for safe handling

Handling : Use only outdoors or in a well-ventilated

area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wash thoroughly after

handling.

Technical protective measures

prevent formation of

: Provide good ventilation in process area to

Vapor.

Special precautions

vapours, spray.

: Avoid breathing dust, fume, gas, mist,

Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in

a cool, well ventilated place. Keep

container closed.

Storage - away from : Strong bases. Strong acids. Sources of

ignition. Direct sunlight.

Specific end uses

Specific end use(s) : None.

Exposure Controls/Personal Protection

Personal protection : Avoid all unnecessary exposure.

• Respiratory protection : Wear approved mask.

• Hand protection : Wear protective gloves.



Skin protection : Wear suitable protective clothing.
 Eye protection : Chemical goggles or safety glasses.
 Others : When using, do not eat, drink or smoke.

Control parameters

Occupational Exposure Limits : No data available.

Physical and Chemical Properties

Information on basic physical and

chemical properties

Physical state at 20 °C : Solid.

Color : White to pale yellow

Odor : N/A

Odor threshold : No data available.

pH value : Not applicable.

Melting point [°C] : No data available.

Decomposition point [°C] : N/A Critical temperature [°C] : N/A

Auto-ignition

temperature [°C]:

N/A

Flammability (solid, gas) : N/A Flash point [°C] : N/A Boiling point [°C] : N/A Initial boiling point [°C] : N/A Final boiling point [°C] : N/A **Evaporation rate** : N/A Vapour pressure [20°C] : N/A Vapour pressure mm/Hg : N/A Vapour density : N/A Density [g/cm3] : N/A

Relative density, gas

(air=1) : N/A

Relative density, liquid

(water=1) : N/A

Solubility in water [%

weight] : N/A Solubility in water : N/A

Log Pow octanol / water at 20°C : No data available.

Solubility : N/A
Viscosity at 40°C [mm2/s] : N/A
Molecular Weight : N/A

Other information

Explosive properties : N/A

Explosion limits - upper



[%] : N/A

Explosion limits - lower

[%] : N/A

Oxidizing properties : No data available.

Stability and Reactivity Data

Reactivity

Reactivity: Not established.

Chemical stability

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions Hazardous reactions:

Not established.

Conditions to avoid

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Materials to avoid: Strong acids. Strong bases.

Hazardous decomposition products

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

Toxicological Information

Information on toxicological effects

Acute toxicity

• Inhalation : Based on available data, the classification criteria

are not met.

• Dermal : Based on available data, the classification criteria

are not met.

Ingestion : Harmful if swallowed.

Corrosion : Based on available data, the classification criteria

are not met.

Irritation : Causes serious eye irritation.

Causes skin irritation.

May cause respiratory irritation.

Sensitization : Based on available data, the classification criteria

are not met.



Mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Toxic for reproduction : Based on available data, the classification criteria are not

met.

STOT-single exposure : Based on available data, the classification criteria are not

met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Ecological Information

Toxicity

Toxicity information: Not established.

Persistence – degradability

Persistence - degradability : Biodegradable.

Bio accumulative potential

Bio accumulative potential: Not established.

Mobility in soil

Mobility in soil: Not established.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Other adverse effects

Environmental precautions: Avoid release to the environment.

Disposal Considerations

Waste treatment methods

General: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Transformation Information

Land transport (ADR-RID)

General information : Not regulated.



Sea transport (IMDG)

General information : Not regulated.

Air transport (ICAO-IATA)

General information : Not regulated.

Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental: Ensure all national/local regulations are observed.

Regulations/legis

lation specific for

The substance or

mixture

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorization - Annex XIV: The components of this product are not subject to authorization.

Chemical Safety Assessment

Chemical Safety Assessment: It has not been carried out.

Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:



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