

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

MATERIAL SAFETY DATA SHEET (MSDS)**TETRA BUTYL AMMONIUM IODIDE AR****1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : TETRA BUTYL AMMONIUM IODIDE AR
Product code : T0202000500
Identification of the product : TETRABUTYL AMMONIUM IODIDE AR 99%
CAS No: 311-28-4

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

1.3. Details of the supplier of the safety data sheet

Company identification : SUVCHEM
Chaitanya Tower, 2nd Floor, Office # 206,
Siddharth Nagar, S.V. Road,
Goregaon (West), Mumbai - 400062,
Maharashtra, India.
Contact: +91 22 28725393 / 94 / 95
Email ID: info@suvchem.com/care@suvchem.com

1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [Office hours]

2. Hazards identification -DSD**2.1. Classification of the substance or mixture****Classification EC 67/548 or EC 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

2.2. Label elements**Labelling EC 67/548 or EC 1999/45**

TETRA BUTYL AMMONIUM IODIDE AR
2. Hazards identification -DSD (continued)
MATERIAL SAFETY DATA SHEET (MSDS)

Symbol(s)



Symbol(s)

: Xn : Harmful

R Phrase(s)

: R22 : Harmful if swallowed.
R36/37/38 : Irritating to eyes, respiratory system and skin.

S Phrase(s)

: S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36 : Wear suitable protective clothing.
Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms



Signal words

: Warning

Hazard statements

: H302 : Harmful if swallowed.
H319 : Causes serious eye irritation.
H315 : Causes skin irritation.
H335 : May cause respiratory irritation.

Precautionary statements

• Prevention
: P280: Wear protective gloves, protective clothing, eye protection, face protection.
P271: Use only outdoors or in a well-ventilated area.
P261: Avoid breathing dust, fume, gas, mist, vapours, spray.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
• Response
: P302+P352: IF ON SKIN : Wash with plenty of soap and water.
P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.
P332+P313: If skin irritation occurs : Get medical advice.
P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.
P363: Wash contaminated clothing before reuse.
• Storage
: P403+P233: Store in well-ventilated place. Keep container tightly closed.
P405: Store locked up.
• Disposal considerations

: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

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.

TETRA BUTYL AMMONIUM IODIDE AR

3. Composition/information on ingredients

Substance / Preparation : TETRABUTYL AMMONIUM IODIDE AR 99%

LABORATORY CHEMICALS

Substance
CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SHIVBHARATH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
Contains no other components or impurities which will influence the classification of the product

MATERIAL SAFETY DATA SHEET (MSDS)

4. First aid measures

4.1. 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** : Specific treatment (see on this label). Get medical advice. If skin irritation occurs : Wash with plenty of soap and water. Wash contaminated clothing before reuse.
- Eye contact** : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists : Get medical advice.
- Ingestion** : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.

4.2. 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.

4.3. 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).

5. Fire-fighting measures

5.1. 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.

5.2. Special hazards arising from the substance or mixture

- Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

5.3. Advice for fire-fighters

- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

TETRA BUTYL AMMONIUM IODIDE AR

5. Fire-fighting measures (continued)

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

For emergency responders

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V. ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
CONTACT: +91 22 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COMEquip cleanup crew with proper protection.
Ventilate area.

For non-emergency personnel

: Evacuate unnecessary personnel.

6.2. Environmental precautions**Environmental precautions**

: Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material 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.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and storage**7.1. Precautions for safe handling****Handling**

: Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling.

Technical protective measures

: Provide good ventilation in process area to prevent formation of vapour.

Special precautions

: Avoid breathing dust, fume, gas, mist, vapours, spray.

7.2. Conditions for safe storage, including any incompatibilities**Storage**

: Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.

Storage - away from

: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)**Specific end use(s)**

: None.

TETRA BUTYL AMMONIUM IODIDE AR**8. Exposure controls/personal protection****8.1. Exposure controls****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.

CHAITANYA CHS, 2ND FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.

8.2. Control parameters

Occupational Exposure Limits : No data available.
CHAITANYA CHS, 2ND FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

9. Physical and chemical properties

MATERIAL SAFETY DATA SHEET (MSDS)

9.1. Information on basic physical and chemical properties

Physical state at 20 °C	: Solid.
Colour	: Off white crystalline
Odour	: Amine like
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 144 °C
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/cm ³]	: 1,2
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Partially soluble in
Solubility in water	: N/A

TETRA BUTYL AMMONIUM IODIDE AR

9. Physical and chemical properties (continued)

Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm ² /s]	: N/A

9.2. Other information

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising properties	: No data available.

10. Stability and reactivity

10.1. Reactivity

Reactivity : Not established.

SUVCHEM
LABORATORY CHEMICALS

10.2. Chemical stability CHAITANYA CHEMND FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

Chemical stability : Stable under recommended storage conditions.

MATERIAL SAFETY DATA SHEET (MSDS)

10.3. Possibility of hazardous reactions

Hazardous reactions : Not established.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials to avoid : Strong acids. Strong bases.

10.6. Hazardous decomposition products

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

11. Toxicological information

11.1. 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.

Page : 6

TETRA BUTYL AMMONIUM IODIDE AR

11. Toxicological information (continued)

- 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.

12. Ecological information

12.1. Toxicity

Toxicity information : Not established.

12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.

CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. 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.

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods

Page : 7

TETRA BUTYL AMMONIUM IODIDE AR

13. Disposal considerations (continued)

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.

14. Transport information

14.1. Land transport (ADR-RID)

General information : Not regulated.

14.2. Sea transport (IMDG) [English only]

General information : Not regulated.

14.3. Air transport (ICAO-IATA) [English only]

General information : Not regulated.

15. Regulatory information

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

OM SHREE GANESHYA NAMAH

Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

SUVCHEM

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

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

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.

15.2. Chemical Safety Assessment CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

Chemical Safety Assessment

MATERIAL SAFETY DATA SHEET (MSDS)

16. Other information

Revision : Revision - See : *

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

Page : 8

TETRA BUTYL AMMONIUM IODIDE AR

storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

DISCLAIMER:

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

End of document

CHAITANYA CHS, 2nd FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

MATERIAL SAFETY DATA SHEET (MSDS)
