

Website:- chemicalbull.com

## **MATERIAL SAFETY DATA SHEET**

**SECTION 1:** Identification of the substance/mixture and of the company/undertaking

**1.1 Product identifiers** Product name

## Trospium Chloride

CAS-No. : 10405-02-4

## **1.2** Relevant identified uses of the substance or mixture and uses advised against Identified uses : Laboratory chemicals, Manufacture of substances

## **1.3** Details of the supplier of the safety data sheet

Company

:ChemicalBull Pvt Ltd 123/124, Panchratna, G.I.D.C Char Rasta,Vapi-396195 Dist, Valsad, Gujarat, INDIA Website:- chemicalbull.com

Email: - info@chemicalbull.com

## **1.4 Emergency telephone number**

Emergency Phone : +91 9696960250

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

## **Classification according to Regulation**

Acute toxicity, Oral

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 Label elements

## Labelling according Regulation Pictogram

ctogram

Warning

Signal word

Hazard statement(s) H302	Harmful if swallowed.
Precautionary statement(s) P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
Supplemental Hazard Statements	none

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

	ydroxy-2,2-diphenyla idin]-8-ylium chloride	cetyl)oxy]-8lambda5-az	aspiro[bicyclo[3.2.1	
Component		Classification	Concentration	
Formula Molecular weight CAS-No.	: C25H30NO3.Cl : 427,96 g/mol : 10405-02-4			
Synonyms	• =	Spiro[8-azoniabicyclo[3,2,1]octane-8,1'-pyrrolidinium]-3- [(hydroxydiphenyl-acetyl)-oxy]chloride(1alpha, 3beta, 5alpha)		

Acute Tox. 4; H302

<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### **SECTION 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

Flush eyes with water as a precaution.

#### 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

#### **SECTION 5: Firefighting 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), Hydrogen chloride gas
- **5.3** Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.
- **5.4 Further information** No data available

#### **SECTION 6:** Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. 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.

#### **SECTION 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. 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)

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

#### SECTION 8: Exposure controls/personal protection

8.1 Control parameters

#### **Components with workplace control parameters**

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 Use equipment for eye protection tested and approved under appropriate government standards

#### **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.

The selected protective gloves have to satisfy the specifications of Regulation

#### **Body Protection**

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 particle respirator. For higher level protection use type P99 respirator cartridges. Use respirators and components tested and approved under appropriate government standards

#### **Control of environmental exposure**

Do not let product enter drains.

#### **SECTION 9: Physical and chemical properties**

#### 9.1 Information on basic physical and chemical properties

	-	
a)	Appearance	Form: Crystalline powder Colour: white, light yellow
b)	Odour	slight
c)	Odour Threshold	No data available
d)	рН	5 - 7 at 50 g/l
e)	Melting point/freezing point	Melting point/range: 255 - 267 °C - Decomposition
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
g) h)	Flash point Evaporation rate	No data available No data available
	·	
h)	Evaporation rate Flammability (solid,	No data available
h) i)	Evaporation rate Flammability (solid, gas) Upper/lower flammability or	No data available No data available
h) i)	Evaporation rate Flammability (solid, gas) Upper/lower flammability or	No data available No data available
h) i) j)	Evaporation rate Flammability (solid, gas) Upper/lower flammability or explosive limits	No data available No data available No data available

- m) Relative density No data available
- n) Water solubility soluble
- o) Partition coefficient: No data available n-octanol/water
- p) Auto-ignition 327 °C temperature
- q) Decomposition No data available temperature
- 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

#### **SECTION 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 Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas In the event of fire: see section 5

### SECTION 11: Toxicological information

#### **11.1** Information on toxicological effects

#### Acute toxicity

LD50 Oral - Rat - 1.510 mg/kg

#### Skin corrosion/irritation

Skin - Rabbit Result: No skin irritation

#### Serious eye damage/eye irritation No data available

**Respiratory or skin sensitisation** No data available

#### 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** No data available

**Specific target organ toxicity - single exposure** No data available

**Specific target organ toxicity - repeated exposure** No data available

**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.

### **SECTION 12: Ecological information**

- **12.1 Toxicity** No data available
- **12.2 Persistence and degradability** No data available
- **12.3 Bioaccumulative potential** No data available
- **12.4 Mobility in soil** No data available
- **12.5** Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
- **12.6 Other adverse effects** No data available

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. 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.

SECTION 14: Transport information								
14.1	<b>UN numb</b> ADR/RID:	•-	IMDG: -	IATA: -				
14.2	ADR/RID: IMDG:	r shipping name Not dangerous goo Not dangerous goo Not dangerous goo	ds					
14.3	<b>Transpor</b> ADR/RID:	t hazard class(es) -	IMDG: -	IATA: -				
14.4	<b>Packagin</b> ADR/RID:		IMDG: -	IATA: -				
14.5	<b>Environm</b> ADR/RID:	no no	IMDG Marine pollutant: no	IATA: no				
14.6	<b>Special p</b> No data av	recautions for use vailable	r					

#### **SECTION 15: Regulatory information**

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

This safety datasheet complies with the requirements of Regulation

#### **15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

#### **SECTION 16: Other information**

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

H302 Harmful if swallowed.

#### **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. ChemicalBull Pvt Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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