



### SAFETY DATA SHEET

#### 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers	
i	Product Name : <b>Tetramethylammonium Iodide</b>
ii	Chemical Formula : C <sub>4</sub> H <sub>12</sub> IN
iii	CAS No. : 75-58-1
iv	EC No. : 200-881-3
v	Hazardous : No
vi	Appearance : White to beige crystalline powder
1.2 Relevant identified uses of the substance	
i	Identified uses : Chemical synthesis and pharmacological research
1.3 Details of Manufacturer	
i	Company : <b>Samrat Pharmachem Limited</b>
ii	Address : Plot No. A2/3445, GIDC, Phase 4, Ankleshwar – 393002, Gujarat, India.
iii	Phone : +91-7045456789 / 7046456789
iv	Email : <a href="mailto:contact@samratpharmachem.in">contact@samratpharmachem.in</a>
v	Webpage : <a href="http://www.samratpharmachem.com">www.samratpharmachem.com</a>
1.4 Emergency Number	
i	Emergency Phone : +91-7045456789 / 7046456789



#### 2. HAZARD IDENTIFICATION

2.1 Classification of substance	
	Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.
2.2 GHS Label elements, including precautionary statements	
i	Pictogram : Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
ii	Signal word : NA
iii	Hazard Statement(s) NA
iv	Precautionary Statement(s) NA





<b>2.3 Hazards not otherwise classified (HNOC) or not covered by GHS</b>
NA

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<b>3.1 Substances</b>	
i	Molecular Weight : 201.05 g/mol
ii	Constituent Elements : C <sub>4</sub> H <sub>12</sub> IN

### 4. FIRST AID MEASURES

<b>4.1 Symptoms</b>	
i	<b>Most important symptoms and effects, both acute and delayed</b>
	No data available
ii	<b>Indication of any immediate medical attention &amp; special treatment needed</b>
	If seeking medical attention, provide SDS document to physician.
<b>4.2 Description of first aid measures</b>	
i	<b>Inhalation</b> : If inhaled, move victim to fresh air. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
ii	<b>Ingestion</b> : Induce vomiting only if medical emergency is too far and the person is awake or directed to do so by medical personnel. Rinse mouth out with water. If you feel still feel unwell, immediately make victim drink water (two glasses at most). Consult a doctor.
iii	<b>Skin contact</b> : Take off immediately all contaminated clothing. Wash skin with plenty of water. Cover the irritated skin with an emollient. If skin irritation occurs: Get medical advice/attention.
iv	<b>Eye contact</b> : 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/attention.

### 5. FIRE FIGHTING MEASURES

<b>5.1 Extinguishing media</b>	
i	<b>Suitable extinguishing agents</b> : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
	<b>Unsuitable extinguishing agents</b> : For this substance/mixture no limitations of extinguishing agents are given.
ii	<b>Special hazards arising from the substance or mixture</b> : Carbon oxides, Nitrogen oxides (NO <sub>x</sub> ), Hydrogen iodide, Combustibles





iii	Special remarks on Explosion Hazard	: No data available
iv	Advice for firefighters	: Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.
v	Additional information	: No additional data available

### 6. ACCIDENTAL RELEASE MEASURES

<b>6.1</b>	<b>Personal precautions, protective equipment &amp; emergency procedures</b>
	Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, and consult an expert.
<b>6.2</b>	<b>Environmental precautions</b>
	Do not let product enter drains. Use non-sparking tools and equipment. Pick up spill for recovery or disposal and place in a closed container.
<b>6.3</b>	<b>Methods and material for containment and cleaning up</b>
	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.



### 7. HANDLING AND STORAGE

<b>7.1</b>	<b>Precautions for safe handling</b>
	Avoid raising dust. Use earthed equipment. Keep away from naked flames/heat. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Keep the substance free from contamination. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Keep container tightly closed.  <b>Hygiene measures:</b> Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
<b>7.2</b>	<b>Conditions for safe storage, including any incompatibilities</b>
	<b>Storage conditions:</b> Store in tightly closed containers in a dry and well ventilated place. Recommended storage temperature see product label. <b>Storage class:</b> Storage class (TRGS 510): 11: combustible solids.
<b>7.3</b>	<b>Specific end use(s)</b>
	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated





### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>8.1 Control Parameters</b>	
i	<b>Ingredients with workplace control parameters</b>
	No data available
<b>8.2 Exposure Controls</b>	
i	Appropriate engineering controls
	Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide adequate general and local exhaust ventilation.
ii	Personal protective equipment
(a)	Eye / face protection
	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU) Safety glasses.
(b)	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.
(c)	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.
(d)	Respiratory protection
	Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
(e)	Control of environmental exposure
	Do not let product enter drains.



### 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance</b>	Form: Crystalline Powder Colour: White to beige	<b>Explosiveness</b>	No data available
<b>Odour</b>	Odourless	<b>Vapour pressure</b>	No data available
<b>Odour threshold</b>	No data available	<b>Relative vapour density at 20°C</b>	No data available
<b>pH-value</b>	No data available	<b>Relative density</b>	No data available
<b>Melting/Freezing point</b>	>300°C	<b>Solubilities</b>	No data available
<b>Boiling point</b>	No data available	<b>Partition coefficient (n-octanol/water)</b>	No data available





<b>Flash Point</b>	No data available	<b>Auto/Self-ignition temperature</b>	No data available
<b>Evaporation rate</b>	No data available	<b>Decomposition temperature</b>	No data available
<b>Flammability</b>	No data available	<b>Viscosity</b>	No data available
<b>Density</b>	No data available	<b>Poison Class</b>	No data available

### 10. STABILITY & REACTIVITY

i	Reactivity	: The following applies in general to flammable organic substances and mixtures: In correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
ii	Chemical stability	: The product is chemically stable under normal conditions.
iii	Possible hazardous reactions	: No data available
iv	Conditions to avoid	: No data available
v	Incompatible material	: Strong oxidizing agent
vi	Hazardous decomposition products	: No data available



### 11. TOXICOLOGICAL INFORMATION

<b>11.1 Information on toxicological effects</b>			
i	LD50 Oral	No data available	No data available
ii	LD50 inhalation	No data available	No data available
<b>11.2 Corrosion Irritation</b>			
i	Serious eye damage / irritation	No data available	
ii	Respiratory or skin irritation	Sensitisation possible in predisposed persons.	
iii	Germ cell mutagenicity	No data available	
iv	Carcinogenicity	No data available	
v	Reproductive Toxicity	No data available	
<b>11.3 Additional information</b>			
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. However, when the product is handled appropriately, hazardous effects are unlikely to occur. Handle in accordance with good industrial hygiene and safety practice			



### 12. ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>			
i	<b>Particulars</b>	<b>Type</b>	<b>Value</b>
	Fish LC50	No data available	No data available
	Crustacea LC 50	No data available	No data available
ii	Ecology – general	No data available	
iii	Ecology – air	No data available	





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iv	Hazardous to aquatic environment – short term (acute)	No data available
v	Hazardous to aquatic environment – long term (chronic)	No data available
<b>12.2 Persistence and degradability</b>		
i	Persistence and degradability	No data available
ii	Biodegradation	No data available
<b>12.3 Bio accumulative potential</b>		
i	BCF – Other aquatic organisms	No data available
ii	Partition coefficient n-octanol/water (Log Kow)	No data available
iii	Bioaccumulative potential	No data available
<b>12.4 Mobility in Soil</b>		
	Spillage unlikely to penetrate soil Is not likely mobile in the environment due its low water solubility.	
<b>12.5 Results of PBT and vPvB assessment</b>		
	No data available	
<b>12.6 Other adverse effects</b>		
	Not known	

## 13. DISPOSAL CONSIDERATIONS

<b>13.1 Waste disposal recommendation's</b>	
i	General instructions
	Remove waste in accordance with local and/or national regulations.
ii	Product / Packaging disposal recommendations
	Avoid release to the environment



## 14. TRANSPORT INFORMATION

<b>14.1</b>	<b>In accordance with ADR / IMDG / IATA / ADN / RID</b>				
	<b>ADR</b>	<b>IMDG</b>	<b>IATA</b>	<b>ADN</b>	<b>RID</b>
i	UN Number				
	No data available	No data available	No data available	No data available	No data available
ii	UN proper shipping name				
	No data available	No data available	No data available	No data available	No data available
iii	Transport hazard class				
	No data available	No data available	No data available	No data available	No data available
iv	Hazardous class symbols				
	No data available				
v	Packing group				





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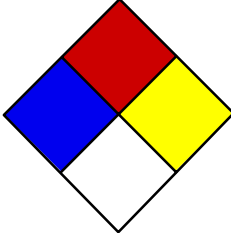
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	No data available	No data available	No data available	No data available	No data available
vi	Environment hazards: Dangerous for the environment				
	No data available	No data available	No data available	No data available	No data available
vii	Marine Pollutant				
	NA	No data available	NA	NA	NA

## 15. REGULATORY INFORMATION

<b>15.1</b>	<b>Regulations</b>
i	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

## 16. OTHER INFORMATION

<b>16.1</b>	<b>NFPA Rating</b>					
i	Health hazard	: No data available				
ii	Fire hazard	: No data available				
iii	Reactivity	: No data available				
<b>16.2</b>	<b>HMIS Rating</b>	<table border="1" style="border-collapse: collapse;"> <tr> <td style="background-color: blue; color: white; text-align: center;">Health</td> </tr> <tr> <td style="background-color: red; color: white; text-align: center;">Fire</td> </tr> <tr> <td style="background-color: yellow; text-align: center;">Reactivity</td> </tr> <tr> <td style="text-align: center;">Personal Protection</td> </tr> </table>	Health	Fire	Reactivity	Personal Protection
Health						
Fire						
Reactivity						
Personal Protection						
i	Health	: No data available				
ii	Flammability	: No data available				
iii	Physical	: No data available				
<b>16.3</b>	<b>Further Information</b>					
	The above information is derived from the available literature & believed to be correct but may not be complete & conclusive. The company shall not be responsible for any damage resulting from handling or usage of the product. The information shall be used only as a guide.					



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