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## MATERIAL SAFETY DATA

Revision number: 2 Revision date: 01/05/2024  
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### 1. IDENTIFICATION

Product name: **N,N,N',N'-Tetramethylethylenediamine formate**

Product use: For laboratory research purposes.

Restrictions on use: Not for drug or household use.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

Name	Chemical Formula	CAS RN	Molecular Weight
N,N,N',N'- Tetramethylethylenediamine (TMEDA)	C <sub>6</sub> H <sub>16</sub> N <sub>2</sub>	110-18-9	116.21 g/mol
<i>Formic Acid</i>	C <sub>2</sub> H <sub>2</sub> O <sub>2</sub>	64-18-6	46.03 g/mol

### 3. HAZARD(S) IDENTIFICATION

Pictogram(s) or Symbol(s):



#### Hazard Statements

H226 Flammable liquid and vapor.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H331 Toxic if inhaled.

H370 Causes damage to organs (Blood, Respiratory system, Kidney, Central nervous system).

H373 May cause damage to organs (Respiratory system) through prolonged or repeated exposure.

H402 Harmful to aquatic life

#### Precautionary Statements

P501 : Dispose of contents/ container to an approved waste disposal plant.

P260 : Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
 P270 : Do not eat, drink or smoke when using this product.  
 P240 : Ground/bond container and receiving equipment.  
 P210 : Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 P233 : Keep container tightly closed.  
 P243 : Take precautionary measures against static discharge.  
 P241 : Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
 P242 : Use only non-sparking tools.  
 P271 : Use only outdoors or in a well-ventilated area.  
 P264 : Wash skin thoroughly after handling.  
 P280 : Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P370 + P378 : In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
 P307 + P311 : IF exposed: Call a POISON CENTER or doctor/ physician.  
 P303 + P361 + P353 : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P301 + P330 + P331 : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P363 : Wash contaminated clothing before reuse.  
 P301 + P310 + P330 : IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.  
 P304 + P340 + P310 : IF INHALED: Remove person to fresh air and keep comfortable

#### 4. HANDLING AND STORAGE

Precautions for safe handling:

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapour or mist. Keep away from heat/sparks/open flame/hot surfaces. -No smoking. Takemeasures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Wash handsand face thoroughly after handling.

Use a closed system if possible.

Use a ventilation, local exhaust if vapour or aerosol will be generated.

Avoid contact with skin, eyes and clothing.

Storage conditions: Keep container tightly closed.

Store in a cool, dark and well-ventilated place.

Store locked up.

Store away from incompatible materials such as oxidizing agents. Air-sensitive

#### 5. TOXICOLOGICAL INFIRMATION

Target organ(s): tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated

Bioaccumulative potential	No data available
Mobility in soil	No data available
Endocrine disrupting properties	No data available
Other adverse effects	No data available

#### 6. WASTE TREATMENT METHODS

Product Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncle 2924 and containers like the product itself.