

**IDENTIFICATION OF THE SUBSTANCE****Product name :** melamine**Synonyms/ chemical formula:** 2,4,6-triamino-s-triazine, isomelamine**Cyanuramide/** C<sub>3</sub>H<sub>6</sub>N<sub>6</sub>**Company identification:** KHORASAN PETROCHEMICAL COMPANY

CAS #	108-78-1
UN #	-

**HAZARD IDENTIFICATIONS****Composition:**

TWA: -

STEL: -

<b>LD 50</b>	rat	oral	3161 mg/kg
<b>LC 50</b>	-	-	-

**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling point:</b>	-	<b>Melting point:</b>	-	<b>Freezing point:</b>	-
<b>Solubility in water</b>	Partially soluble in cold water	<b>Specific gravity:</b>	1.47@ 20 °c (density)	<b>Molecular weight:</b>	126.12 gr/mol
<b>Vapor density:</b>	-	<b>Vapor pressure:</b>	-		
<b>Physical state:</b>	solid	<b>Appearance and odor:</b>	Crystalline solid, mild odor like ammonia odor	<b>PH:</b>	9.2

**FIRE AND EXPLOSION DATA**

<b>Flash point:</b>	93.3	<b>UEL:</b>	-
<b>Auto-ignition temperature:</b>	-	<b>LEL:</b>	-
<b>Fire fighting media:</b>	Small fire: use dry chemical powder, large fire: use water spray, fog or foam.		
<b>Fire and explosion hazards:</b>	May be combustible at high temperature. Combustion products are carbon oxides, nitrogen oxides, cyanide fumes, irritating and toxic fumes and gases.		
<b>Fire fighting instruction:</b>	Do not use water jet		
<b>Other information:</b>	-		

**STABILITY AND REACTIVITY****Stability:** stable

**Materials to avoid :** Oxidizing agents, strong acids, chlorine, sodium nitrate, sodium hypochlorite

**Hazardous decomposition products:** thermal decomposition can generate nitrogen oxides and carbon oxides



### TOXICOLOGICAL INFORMATION

**Routes of entry:**

Skin contact       Inhalation       Eye contact       Ingestion

**Acute effects:** Hazardous in case of skin contact, eye contact, ingestion and inhalation (irritant)

**Chronic effects:**

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May cause adverse reproductive effects (fetotoxicity) based on animal data. May also be tumorigenic (carcinogenic) based on animal data.

**carcinogenicity**       **mutagenicity**       **Reproductive effects**

**First aid measures:**
**Eye contact:**

Check for and remove any contact lenses, Immediately flush eyes with running water for at least 15 minutes. cold water may be used. Seek medical attention

**Skin contact:**

Get medical aid. Flush immediately with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before use.

**Inhalation:**

Remove from exposure to fresh air . If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Ingestion:**

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

### ACCIDENTAL RELEASE AND DISPOSAL MEASURES

**Accidental release measures:**

Vacuum or sweep up material, minimizing the generation of airborne particulates. Rinse area with soap and water solution, followed by water rinse. Close off sewers and take other measures to protect human health and the environment, as necessary.

**Methods for disposal:**

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### EXPOSURE CONTROLS

**PERSONAL PROTECTION**

**Hand protection**       **Respiratory protection**       **Eye protection**

**Skin and body protection**

**Storage:**

Keep container tightly closed. Keep container in a cool, well-ventilated area.

**Engineering controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

**Special provisions for transport:**

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<b>Risk phrases:</b> 36/37/38
<b>Safety phrases:</b> 24/25-36/37/39