



# Gromax Enterprises Corp.


17335 Daimler Street, Irvine , CA 92614  
Toll: 800-343-3508 Tel: 949-833-1199 Fax: 949-833-0099  
[www.gromaxchemical.com](http://www.gromaxchemical.com) e-mail: [info@gromax-usa.com](mailto:info@gromax-usa.com)

## MATERIAL SAFETY DATA SHEET

### 1 · Product and Company Identification

Product name : Paraformaldehyde
Synonyms : Triomethylene, Paraform
Recommended use and restrictions on use : For the purpose of manufacturing adhesives and resin synthesis.
Supplier detail : GROMAX ENTERPRISES CORPORATION 17335 Daimler Street., Irvine, CA 92614
Emergency phone number : 1-800-343-3508

### 2 · Hazards Identification

Hazard classification : Flammable solids
Warning information : 1.Flammable 2.Harmful if inhaled or swallowed 3.Irritating to eyes, respiratory system and skin
GHS label : Flame, Health Hazard, Exclamation mark 
Signal word : Warning
Hazard statement : Flammable solid, Harmful if inhaled, Harmful if swallowed, Harmful in Contact with skin, Harmful to aquatic life, May cause respiratory irritation or May cause drowsiness and dizziness
Precautionary statement : Harmful if inhaled, Harmful if swallowed
Other hazards : Not applicable

### 3 · Composition / Information on Ingredients

Substances  Mixture

Mixtures :

Chemical identity	
Names of ingredient	Concentration or Concentration range(% of contents)
Paraformaldehyde(Cas No.:30525-89-4)	86-94%
H2O	6-14%

### 4 · First-Aid Measures

First-aid measures for different exposure routes : If spill: Sweep the floor, dispose all waste according
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to government regulations.
<b>Inhalation :</b> If feel not comfortable, remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
<b>Skin Contact :</b> Immediately flush skin with water or small amount of ethanol for at least 15 minutes and get medical aid immediately.
<b>Eye Contact :</b> Immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid if irritation develops or persists .
<b>Ingestion :</b> Induce vomit and see doctor ASAP
<b>Most important symptoms and hazardous effects :</b> Nothing special
<b>Protection of First-aiders :</b> Gloves and mask
<b>Notes to Physician :</b> Paraformaldehyde%

## 5、 Fire-Fighting Measures

<b>Extinguishing Media :</b> Water,powder,CO2,Foam.
<b>Fire and Explosion Hazards :</b> CO2, CO, Formaldehyde.
<b>Special Firefighting Procedures :</b> Water,powder,CO2,Foam.
<b>Special Equipment for the Protection of Firefighters :</b> mask with fresh air supply, fire fighting clothes

## 6、 Accidental Release Measures

<b>Personal Precautions :</b> Mask for nose,Glasses for eyes,Rubber gloves for hands and protective clothes for body.
<b>Environmental Precautions :</b> Store in proper vessel and keep the environment away from sunshine and direct heat
<b>Methods for Cleaning Up :</b> Sweep the floor, dispose all waste according to government regulations.

## 7、 Safe Handling and Storage Measures

<b>Handling :</b> Keep material away from sparks, flames, and other ignition sources.
<b>Storage :</b> Use big tank for big quantity storage, or proper bag for small quantity.

## 8、 Exposure Controls / Personal Protection

<b>Control parameters :</b> Good ventilation			
<b>Control Parameters</b>			
8 hours time weighted average exposure	Short-term exposure Limits	Maximum exposure limits CEILING	biological standards



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limits TWA	STEL		
1ppm	2ppm	-	-

Personal protective equipment : Eyeglasses, gloves, helmet, mask, safety shower, eye wash fountain.  
 Respiratory protection : Mask  
 Hand protection : Chemical resistant gloves. (Butyl rubber , Polyvinyl alcohol)  
 Eye protection : Goggles  
 Skin and body protection : Wear appropriate protective gloves and clothing to prevent and minimize contact with skin.

Specific hygiene measures : Wash hand before eating and drinking.

## 9 · Physical and Chemical Properties

Appearance(physical state, color, etc.) : White pellet	Odor : Formaldehyde characteristic pungent
Odor threshold : No information available	Melting point : Melt at 120-170 ° C
pH : 4-7 (10% solution)	Boiling point/boiling Range : No information available ° C
Flammability : Flammable solid	Flash point & method : 70 ° C used : Open cup
Decomposition temperature : No information available	
Autoignition temperature : 370 ° C	Explosion limits : No information available
Vapor pressure : Not applicable	Vapor density : No information available
Density : 600-800kg/m <sup>3</sup>	Solubility : (80 ° C)30gm/90ml
Partition coefficient n-octanol/water : No information available	Evaporation rate : No information available

## 10 · Stability and Reactivity

Stability : Stable under normal conditions.
Possible Hazardous Reactions Occurring under Specific Conditions : No information available
Conditions to Avoid : Keep away from sources of ignition, heat, high temperature.
Materials to Avoid : It is explosive with potassium hydroxide , sodium hydroxide, and sodium tetrahydroaluminate since caustic alkalies deplete the inhibitor. Reacts with potassium dioxide



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2-aminophenol to form an explosive product. Reacts violently with metal halides. Forms explosive hydrogen gas with borane or lithium tetrahydroaluminate and reacts vigorously with bromine and calcium hydride+heat. Incompatible with sulfinyl chloride and oxidizing materials.

**Hazardous Decomposition Products :** Burning may produce irritating and toxic fumes.

## 11 · Toxicological Information

**Routes of exposure(inhalation, ingestion, skin and eye contact) :** Inhalation,ingestion,skin and eye contact

**Symptoms :** No information available

**Acute toxicity :** Rat oral LD50(mg/kg):1468

**Chronic Toxicity or delayed Toxicity :** No information available

## 12 · Ecological Information

**Ecotoxicity :** No information available

**Persistence and degradability :** No information available

**Bioaccumulative potential :** No information available

**Mobility in soil :** No information available

**other adverse effect :** Cause eye and skin irritation, may cause central nervous system depression

## 13 · Disposal Considerations

**Recommended Methods for Safe and Environmentally Preferred Disposal :** dispose in a safe manner in accordance with local/national regulation

## 14 · Transport Information

**UN number :** 2213

**UN proper shipping name :** No information available

**Transport hazard class :** No information available

**Packing group :** Packing Group III

**Marine pollution :** No information available

**Specific precautionary transport measures and conditions :** Hazard labels:4.Flammable solids

## 15 · Regulatory Information

**Applicable Regulations :** 1.Labor regulations  
2.Dangerous and hazardous chemicals warning label regulations