

1. Identification

Chemicals name : Paraformaldehyde

Other Names : —

Recommended use and restrictions on use : —

Names, addresses, and phone numbers of the manufacturer, importer or supplier :

LCY Chemical Corp. Kaohsiung site
No. 3, Jhonglin Rd., Xiaogang District, Kaohsiung City 812, Taiwan
Tel : 886-7-8712890
Fax : 886-7-8714723

Emergency contact phone numbers/fax numbers : 886-7-871-2890

2. Hazards identification

Chemicals hazard class : Skin corrosion/irritation (Category 2)



Signal words : Warning

Information concerning particular hazards for human and environment :

- 1..Flammable
- 2.Harmful if inhaled or swallowed
- 3.Irritating to eyes; respiratory system and skin

Classification system : Flammable solid

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

Additional information : No information available

3. Composition/information on ingredients

Substance/Preparation : Substance

Chemical name : Paraformaldehyde

CAS No. : 30525-89-4

Concentration (%wt) : 90-100 % wt

4. First-aid measures

General information : Remove any clothing soiled by the product

Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

Ingestion	: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person
Skin Contact	: In case of contact, immediately flush skin with plenty of water
Eye Contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15minutes, keeping eyelids open.
Swallowing	: Rinse out mouth and then drink plenty of water or milk. If you feel unwell consult doctor

5. Fire-fighting measures

Extinguishing Media Suitable	: DRY chemical powder, Water spray, fog or foam, Carbon dioxide.
Special Procedure of fire-fighting	: Use water spray to cool fire exposed containers. Wear self-contained breathing apparatus and proper clothing to prevent contact with skin & clothing.
Protection of fire-fighters	: Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal precautions	: Avoid contact with skin and eyes. Wear appropriate respirator to avoid breathe dust.
Environmental Precautions	: Store in proper vessel and keep the environment away from sunshine and direct heat
Clean-up Methods	: Sweep the floor, dispose all waste according to government regulations.

7. Handling and storage

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

8. Exposure controls/personal protection

Engineering measures	: A ventilation system of local and/or general exhaust is recommended to keep employee exposures below the air exposures limits.
Permissible exposure Limits	: Time weighted average (TWA) : 1ppm Short-term exposure limit (STEL) : 2ppm Maximum exposure limit (CEILING) : -
Personal protective equipment	
Respiratory system	: safety goggles, gloves, helmet, mask, safety shower, eye wash fountain
Eyes	: Splash goggles
Hands	: Gloves
Skin and body	: Work uniform or laboratory coat
Hygiene measures	: (1) Work with personal protective equipment. (2) Wash thoroughly after handling.

9. Physical and chemical properties

Decomposition temperature : -	Appearance : white solid
Color : White	Odor : Formaldehyde characteristic pungent
pH : 4-9(10% solution)	Boiling Point : NA
Auto-ignition temperature : 370°C	Flash Point : 71°C Test Method : <input type="checkbox"/> open cup <input checked="" type="checkbox"/> close cup

Flammability : Flammable solid	Explosion Limits : No information available
Vapor Pressure : Not applicable	Vapor Density : No information available
Density : 600-800kg/m ³	Solubility : 30gm/90ml(at 80 °C)

10. Stability and reactivity

Stability : The product is stable on normal condition.
Possible Hazardous Reactions Occurring under Specific Conditions: No information available
Avoid matter : It is explosive with potassium hydroxide , sodium hydroxide, and sodium tetrahydroaluminate since caustic alkalies deplete the inhibitor. Reacts with potassium dioxide 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 choride and oxidizing materials.
Condition to avoid: Keep away from sources of ignition ,heat ,high temperature
Hazardous Decomposition Products: Complete combustion will emit Ammonia gas, Formaldehyde

11. Toxicological information

Route of exposures: inhalation , ingestion ,skin eye contact
Symptoms : No information available
Acute toxicity: LC50:1468mg/m ³ (inhalation ,rat)
Chronic Toxicity or delay Toxicity : No information available

12. Ecological information

Ecotoxicity : No information available
Persistence/degradability : No information available
Bio-accumulative potential : No information available
Mobility in soil : No information available
Other adverse effect :Cause skin and eye irritation, may cause control nervous system depression

13. Disposal considerations

Methods of disposal: Proper manner and in accordance to local/national regulation

14. Transport information

UN Number: 2213
UN classification number: No information available
Transport hazard class:4.1
Packing group: Packing group III
Marine pollution: No information available
Specific precautionaty transport measures and condition: Hazard labels: 4 Flammables solids

15. Regulatory information

Application regulation: <ol style="list-style-type: none"> 1. labor regulations 2. dangerous and harzadous chemicals warning label regulations

3. Traffic and transportation regulations