

**AERCHEM INC.**  
**400 West 7th Street, Suite 112**  
**Bloomington, IN. 47404**

Tel: 812.334.9996    Fax: 812.334.0916    Emergency: 800-424-9300

**Effective Date:** 7-25-95

**Product Name:** Paraformaldehyde

**Chemical Formula:** HO(CH<sub>2</sub>O)<sub>n</sub>H

**Cas No.:** 30525-89-4

**Haz**

**ardous Ingredients:**

	<u>Value(s)</u>	<u>CAS #</u>	<u>Symbol(s)</u>	<u>R-Phrase(s)</u>
Paraformaldehyde 36/38-40-43	ca 90%	30525-89-4	XN	20/22-

**Physical Data:**

Melting point (range) Approx.:	120-170°C
pH value (concentrated product):	3.5-5.0 (10 g/l; 20°C)
Physical State:	Solid
Colour:	White
Odour:	Characteristic
Density:	1.3
Vapour Pressure (mbar):	1.5-2
Solubility in water (g/100ml):	25
Auto-ignition temperature (°C):	370 (VDE 0165)

**Fire and Explosion Information:**

Flash point (°C):	70 (open cup)
Lower Explosion Limit:	NA
Upper Explosion Limit:	NA
Extinguishing media to be recommended:	Not ignitable in wet state. Solids will burn.
Special fire and explosions precautions:	Use self-contained breathing apparatus where this product is involved in a fire.
Unusual fire hazard:	None

**Reactivity Data:**    **Stable**   X      **Unstable** \_\_\_\_\_

**Hazardous Decomposition:** Products of combustion, including CO, CO<sub>2</sub>, and SiO<sub>2</sub>.

**Hazardous Polymerization:** none

**Incompatibilities:** Strong oxidizing agents

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**Leak/Spill Information:** Small spills: shovel up or absorb with sand or other absorbent. Rinse down residue to sanitary sewer lines. Contain large spills for salvage or disposal.

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**Disposal Information:** Dispose of in a sanitary landfill in accordance with local, state, and federal regulations.

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**Health Hazard Information:**

**A. Exposure/Health Effects**

**Inhalation:** Not expected

**Skin Contact:** Mild irritant to sensitive skin

**Eye contact:** Mild irritant

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**Chronic Exposures:** No chronic ill-effects known or expected. This product does contain 0.02% Formaldehyde, CAS#50-00-0. Formaldehyde is considered an industrial substance of low carcinogenic potency in experimental animals. Based on epidemiology studies conducted to date, no evidence of formaldehyde-related tumor inductions in humans has been observed. OSHA Standard 1910.1048 defines the material as a health hazard, specifically a "potential cancer hazard".

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**B. First Aid:**

**Inhalation:** Not likely

**Ingestion:** Consult a physician

**Skin Contact:** Wash off with soap and water

**Eye Contact:** Wash out for 10-15 minutes with water

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**C. Toxicity Data**

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**Occupational Control Measures:**

**Ventilation Systems:**        local exhaust

**Skin Protection:**            Rubber or plastic gloves

**Eye Protection:**            Safety glasses or chemical goggles ; eye fountain

**Special Protection:**    None required under normal use conditions when good ventilation is maintained.

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**Shipping Information:**

DOT Shipping Name	None
DOT Hazard Class	NA
ID Number	NA
DOT Label(s)	None
EPA/DOT HAZARDOUS SUBSTANCES RQ:	Formaldehyde, 100#. Product 500,000#.
Special Shipping Information:	None

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**Storage Information:**

**Storage Requirements:**    Store at moderate temperatures (55-85°F). Keep drums closed tightly. DO NOT FREEZE.

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**Government Regulations:**

- \* All ingredients are on the TSCA B(B\b) inventory.
- \* Subject to EPCRA Sections 302, 304, 311, and 313
- \* This product has FDA clearance as a Secondary Direct Food Additive under: Code 21 CFR-173.340, 176.200, and 176.210.

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**Additional Comments:**

**Comments:**                    Operators should practice good personal hygiene.  
Wash with soap and water after exposure.  
Remove contaminated clothing and wash before re-use.

**Product Use:**                For industrial use only.  
In accordance with good industrial practice, handle with due

care and avoid any unnecessary personal contact.

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**DISCLAIMER:**

**INFORMATION CONTAINED HEREIN IS, TO OUR BEST KNOWLEDGE, TRUE AND ACCURATE. IT IS OFFERED FOR INFORMATION ONLY, AS WE CANNOT GUARANTEE THE RESULTS OF PROCESSES NOT UNDER OUR DIRECT CONTROL.**