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ESTD.1976 MULTI CHEM YOUR CHEMICAL PARTNER

SAFETY DATA SHEET

PARAFORMALDEHYDE 96%

SECTION 1: Identification of the substance/mixture and of the company/undertaking Trade name:

1.1 Product identifier:	
CAS Number:	30525-89-4
EC number:	250-002-3
1.2 SYNONYMS:	• Polyoxymethylene • Paraform • Formaldehyde polymer • PFA

SECTION 2: Hazards identification:

2.1 Classification of the substance or mixture:	Classification according to Regulation (EC) No 1272/2008 The substance is classified according to the CLP regulation.
2.2 Label elements:	Labelling according to Regulation (EC) No 1272/2008 Acute toxicity, oral (Category 4) Acute toxicity (inhalation) (Category 4) Skin irritation (Category 2) Serious eye damage (Category 1) Sensitisation Skin (Category 1A) Carcinogenicity (Category 1B)
Hazard Pictograms:	
Signal Word:	Danger
Hazard statements:	**H302:** Harmful if swallowed. **H332:** Harmful if inhaled. **H315:** Causes skin irritation. **H318:** Causes serious eye damage. **H317:** May cause an allergic skin reaction. **H350:** May cause cancer

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Precautionary Statements:	**P261:** Avoid breathing dust/fume/ gas/mist/vapours/spray. **P271:** Use only outdoors or in a well-ventilated area. **P281:** Use personal protective equipment as required. **P305 + P351 + P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P308 + P313:** IF exposed or concerned: Get medical advice/attention. **P405:** Store locked up. **P501:** Dispose of contents/ container to an approved waste disposal plant.
2.3 Other hazards:	
Inhalation:	can cause respiratory irritation, coughing, and shortness of breath, and may lead to more severe effects like damage to the respiratory system with prolonged exposure.
Ingestion:	can cause severe gastrointestinal irritation, nausea, vomiting, abdominal pain, and may lead to systemic toxicity affecting multiple organs.
Skin Contact:	can cause irritation, redness, and burns, and prolonged exposure may lead to more serious skin damage or allergic reactions.
Eye contact:	can cause severe irritation, redness, pain, and may lead to eye damage or even permanent injury with prolonged exposure.
Chronic Exposure:	can lead to respiratory issues, skin sensitization, eye damage, and may increase the risk of developing cancer, particularly affecting the respiratory tract.

Aggravation of pre-existing conditions:	can aggravate pre-existing conditions such as asthma, respiratory disorders, skin conditions, or allergies, potentially worsening symptoms or triggering asthma attacks.

SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation:	Substances
CAS No:	Description: 30525-89-4 PARAFORMALDEHYDE 96% 50-00-0 FORMALDEHYDE 1% 67-56-1 METHANOL 3%
Identification number(s):	EC number: 250-002-3 PARAFORMALDEHYDE 200-001-8 FORMALDEHYDE 200-659-6 METHANOL

SECTION 4: First aid measures

4.1 Description of first aid measures	
General information:	
After inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
After skin contact:	Remove contaminated clothing. Wash with soap and water. Consult a physician.
After eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. consult a physician.
After swallowing:	Rinse mouth with water. Immediately after ingestion. If conscious, make victim drink two glasses at most immediately. Never

	give anything by mouth to an unconscious person. Do not induce vomiting. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed:	Acute exposure can cause respiratory irritation, eye and skin discomfort, and gastrointestinal distress, while chronic exposure may lead to persistent respiratory issues, skin sensitization, and an increased risk of cancer.
4.3 Indication of any immediate medical attention and special treatment needed:	Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media:	Carbon dioxide. Water spray. Alcohol-resistant foam.
5.2 Special hazards arising from the substance or mixture:	No data available
5.3 Advice for firefighters:	Wear fully protective suit, safety glasses and respiratory device. Cool tanks/drums with water spray/remove them into safety.
5.4 further information:	no data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Avoid dust accumulation. Seek medical attention.

6.2 Environmental precautions:	Do not enter this chemical into drains.
6.3 Methods and material for containment and cleaning up:	Take up spill into absorbent material, e.g.: sand, earth, vermiculite, powdered limestone. Scoop absorbed substance into closing containers. Spill must not return in its original container. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:	For use in are with adequate ventilation. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material Do not use in confined spaces. Electrostatic discharge protection. Minimize dust generation and accumulation. Avoid ingestion and inhalation.
7.2 Conditions for safe storage, including any incompatibilities:	Store in original containers. Keep containers securely sealed Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Store in a dry and dark area. Do not handle in flammable atmospheres.
Requirements to be met by storerooms and receptacles:	Keep container tightly closed in a dry and well-ventilated place.
	Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end uses:	no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters	
Additional information about design of technical facilities:	A system of local and general exhaust is recommended.
8.2 Exposure controls	
Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment:	Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.
General protective and hygienic measures:	Eyes, body and hand protection, maintain indoor air unobstructed. Wear protective equipment.
	Respiratory protection: Required.
Protection of hands:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.
	Eye protection: Required
Protection of Body:	Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties General Information	

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Appearance: Form:	Solid granules
Colour:	White
Odour:	Pungent
pH-value:	4
Melting point/Melting range:	130°C
Boiling point/Boiling range:	190°C
Flammability (solid, gaseous):	Flammable
Ignition temperature:	400°C
Decomposition temperature:	120°C
Self-igniting:	Yes
Flash point:	60°C
Danger of explosion:	Yes
Explosion limits: Lower:	7%
Explosion limits: Upper:	73%
Vapour pressure:	0.7 mmHg at 20°C
Density at 20 °C:	1.4 g/cm^3
Relative density:	1.4
Vapour density:	1.03
Evaporation rate:	Not determined
Solubility in / Miscibility with-·water at 20 °C:	Highly Soluble
Partition coefficient:(n-octanol/water)	-0.77
Viscosity:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity	Can release formaldehyde gas if exposed to heat, moisture.
10.2 Chemical stability	This chemical is stable under storage conditions.
10.3 Possibility of hazardous reactions	Can release formaldehyde gas If reacted with strong acids, bases and oxidizing agents.
10.4 Conditions to avoid	High temperatures, open flames, moisture.
10.5 Incompatible materials	Strong oxidizing agents, strong acids and bases. Reducing agents.

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10.6 Hazardous decomposition products	Formaldehyde gas.

SECTION 11: Toxicological information

11.1 Information on toxicological effects	
Acute Toxicity:	**LD50** (Oral, Rat): 670 mg/kg **LD50** (Dermal, Rabbit): 2000 mg/kg **LC50** (Inhalation Rat): 1.1 mg/l (4 hr)
Skin corrosion/Irritation:	Causes serious skin iiritation
Serious eye damage/irritation:	Causes serious eye irritation
Respiratory damage/irritation:	May cause respiratory irritation
Ingestion:	May cause gastrointestinal irritation.
Germ cell mutagenicity:	No data available
Carcinogenicity:	Suspected of causing cancer
Reproductive toxicity:	No data available
Specific target organ toxicity - single exposure:	No data available
Specific target organ toxicity - repeated exposure:	No data available
Aspiration hazard:	No data available
Signs and Symptoms of Exposure:	Refer section 2.3
11.2 Additional toxicological information	
Biodegradability:	Readily Biodegradable

SECTION 12: Ecological information

12.1 Toxicity **Aquatic toxicity:**	LC50(fish): 6.76 mg/l (96hr) EC50(daphnia): 5.8 mg/l (48hr) ErC50(algae): 3.48 mg/l (72hr)
12.2 Persistence and degradability:	Readily Biodegradable
12.3 Bioaccumulative potential:	low bioaccumulative
12.4 Mobility in soil:	Moderate mobility
12.5 Other adverse effects:	No data available

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SECTION 13: Disposal considerations

13.1 Waste treatment methods	
Uncleaned packaging Recommendation:	dispose of in accordance with local hazardous waste regulations
Recommended cleansing agents:	Water, Sodium Bisulfite, Sodium hydroxide, Activated Charcoal, Commercial cleaning agents.

SECTION 14: Transport information

14.1 UN-Number · ADR, ADN, IMDG, IATA:	1198
14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:	PARAFORMALDEHYDE
14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :	6.1
14.4 Packing group · ADR, IMDG, IATA:	2
14.5 Environmental hazards:	Yes, harmful for aquatic life
14.6 Special precautions for user:	Handle responsibly.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU	Directive 2012/18/EU, under that this substance is classified in listed substance as toxic substance
Named dangerous substances:	This substance is listed in the annex 1 to the directive.
15.2 Chemical safety assessment:	Chemical assessment has not been carried out

SECTION 16: Other information

The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of

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