

# SAFETY DATA SHEET

## PARAFORMALDEHYDE 91%

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

|                                |                                                                                                                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1.1 Product identifier:</b> |                                                                                                                                                                                                            |
| <b>CAS Number:</b>             | 30525-89-4                                                                                                                                                                                                 |
| <b>EC number:</b>              | 200-001-8                                                                                                                                                                                                  |
| <b>1.2 SYNONYMS:</b>           | <ul style="list-style-type: none"> <li>• Polyoxymethylene</li> <li>• POM</li> <li>• Formaldehyde polymer</li> <li>• Methylene oxide polymer</li> <li>• Formaldehyde resin</li> <li>• Paraformol</li> </ul> |

### SECTION 2: Hazards identification:

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

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | <b>H350:</b> May cause cancer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Precautionary Statements:</b> | <p><b>P261:</b> Avoid breathing dust/fume/gas/mist/vapours/spray.</p> <p><b>P271:</b> Use only outdoors or in a well-ventilated area.</p> <p><b>P281:</b> Use personal protective equipment as required.</p> <p><b>P305 + P351 + P338:</b> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p><b>P308 + P313:</b> IF exposed or concerned: Get medical advice/attention.</p> <p><b>P201+P202:</b> Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.</p> |
| <b>2.3 Other hazards:</b>        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Inhalation:</b>               | can cause respiratory irritation, coughing, wheezing, and long-term exposure may lead to respiratory damage or increase the risk of cancer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Ingestion:</b>                | can cause severe gastrointestinal irritation, nausea, vomiting, abdominal pain, and potentially lead to systemic toxicity or organ damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Skin Contact:</b>             | can cause irritation, redness, and allergic reactions, and prolonged exposure may lead to dermatitis or chemical burns.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Eye contact:</b>              | can cause irritation, redness, watering, and potentially damage to the cornea, leading to vision impairment if not treated promptly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Chronic Exposure:</b>         | can lead to respiratory issues, skin sensitization, increased risk of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|                                                |                                                                                                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                | cancer, and damage to the eyes, liver, and kidneys.                                                                                                         |
| <b>Aggravation of pre-existing conditions:</b> | can aggravate pre-existing conditions such as asthma, respiratory disorders, skin conditions (e.g., dermatitis), and eye conditions (e.g., conjunctivitis). |

### SECTION 3: Composition/information on ingredients

|                                       |                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------|
| <b>3.1 Chemical characterisation:</b> | Substances                                                                                   |
| <b>CAS No:</b>                        | Description: 30525-89-4<br>PARAFORMALDEHYDE 91%<br>67-56-1 METHANOL 8%<br>7732-18-5 WATER 1% |
| <b>Identification number(s):</b>      | EC number: 200-001-8<br>PARAFORMALDEHYDE 91%<br>215-540-4 METHANOL 8%                        |

### SECTION 4: First aid measures

|                                              |                                                                                                                    |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>4.1 Description of first aid measures</b> |                                                                                                                    |
| <b>General information:</b>                  |                                                                                                                    |
| <b>After inhalation:</b>                     | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.    |
| <b>After skin contact:</b>                   | Remove contaminated clothing. Wash with soap and water. Consult a physician.                                       |
| <b>After eye contact:</b>                    | Immediately flush eyes with plenty of water for at least 15 minutes. consult a physician.                          |
| <b>After swallowing:</b>                     | Rinse mouth with water. Immediately after ingestion. Never give anything by mouth to an unconscious person. Do not |

|                                                                                        |                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                        | induce vomiting. Consult a physician.                                                                                                                                                                                  |
| <b>4.2 Most important symptoms and effects, both acute and delayed:</b>                | Acute exposure can cause respiratory irritation, eye irritation, and skin burns, while delayed effects may include chronic respiratory issues, sensitization, and an increased risk of cancer with long-term exposure. |
| <b>4.3 Indication of any immediate medical attention and special treatment needed:</b> | Treat symptomatically.                                                                                                                                                                                                 |

## SECTION 5: Firefighting measures

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

## SECTION 6: Accidental release measures

|                                                                                 |                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>6.1 Personal precautions, protective equipment and emergency procedures:</b> | Use personal protective equipment.<br>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. |
| <b>6.2 Environmental precautions:</b>                                           | Do not enter this chemical into drains.                                                                                                                                                                                                                                                     |

|                                                                  |                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>6.3 Methods and material for containment and cleaning up:</b> | 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

|                                                                          |                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>7.1 Precautions for safe handling:</b>                                | For use in are with adequate ventilation.<br>Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material<br>Do not use in confined spaces. Electrostatic discharge protection. Minimize dust generation and accumulation. Avoid ingestion and inhalation. |
| <b>7.2 Conditions for safe storage, including any incompatibilities:</b> | Store in original containers. Keep containers securely sealed<br>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.                              |
| <b>Requirements to be met by storerooms and receptacles:</b>             | 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.                                                                                                                                                      |
| <b>7.3 Specific end uses:</b>                                            | no data available                                                                                                                                                                                                                                                                                                  |

## SECTION 8: Exposure controls/personal protection

|                                                                     |                                                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>8.1 Control parameters</b>                                       |                                                                                                                                                                                                                                                                                  |
| <b>Additional information about design of technical facilities:</b> | A system of local and general exhaust is recommended.                                                                                                                                                                                                                            |
| <b>8.2 Exposure controls</b>                                        |                                                                                                                                                                                                                                                                                  |
| <b>Appropriate engineering controls</b>                             | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.                                                                                                                                                       |
| <b>Personal protective equipment:</b>                               | Dust respirator, protective masks, wearing anti chemical gloves, rubber gloves, etc.                                                                                                                                                                                             |
| <b>General protective and hygienic measures:</b>                    | Eyes, body and hand protection, maintain indoor air unobstructed. Wear protective equipment.                                                                                                                                                                                     |
|                                                                     | <b>Respiratory protection:</b> Required.                                                                                                                                                                                                                                         |
| <b>Protection of hands:</b>                                         | 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. |
|                                                                     | <b>Eye protection:</b> Required                                                                                                                                                                                                                                                  |
| <b>Protection of Body:</b>                                          | Complete suit protecting against chemicals, Flame retardant antistatic protective clothing.                                                                                                                                                                                      |

## SECTION 9: Physical and chemical properties

|                                                                                                |                             |
|------------------------------------------------------------------------------------------------|-----------------------------|
| <b>9.1 Information on basic physical and chemical properties</b><br><b>General Information</b> |                             |
| <b>Appearance: Form:</b>                                                                       | Crystalline solid           |
| <b>Colour:</b>                                                                                 | White                       |
| <b>Odour:</b>                                                                                  | Pungent, formaldehyde like. |
| <b>pH-value:</b>                                                                               | 5                           |

|                                                              |                       |
|--------------------------------------------------------------|-----------------------|
| <b>Melting point/Melting range:</b>                          | 150°C                 |
| <b>Boiling point/Boiling range:</b>                          | Not determined        |
| <b>Flammability (solid, gaseous):</b>                        | Flammable             |
| <b>Ignition temperature:</b>                                 | 420°C                 |
| <b>Decomposition temperature:</b>                            | 200°C                 |
| <b>Self-igniting:</b>                                        | Yes, in high heat.    |
| <b>Flash point:</b>                                          | Not applicable        |
| <b>Danger of explosion:</b>                                  | Yes                   |
| <b>Explosion limits: Lower:</b>                              | 7%                    |
| <b>Explosion limits: Upper:</b>                              | 73%                   |
| <b>Vapour pressure:</b>                                      | Not applicable        |
| <b>Density at 20 °C:</b>                                     | 1.3 g/cm <sup>3</sup> |
| <b>Relative density:</b>                                     | 1.3                   |
| <b>Vapour density:</b>                                       | 1.0                   |
| <b>Evaporation rate:</b>                                     | Not determined        |
| <b>Solubility in / Miscibility with-<br/>water at 20 °C:</b> | Soluble               |
| <b>Partition coefficient:(n-<br/>octanol/water)</b>          | 0.35                  |
| <b>Viscosity:</b>                                            | Not applicable        |

## SECTION 10: Stability and reactivity

|                                                |                                                                   |
|------------------------------------------------|-------------------------------------------------------------------|
| <b>10.1 Reactivity</b>                         | No reaction under normal conditions.                              |
| <b>10.2 Chemical stability</b>                 | This chemical is stable under storage conditions.                 |
| <b>10.3 Possibility of hazardous reactions</b> | Can release formaldehyde when heated.                             |
| <b>10.4 Conditions to avoid</b>                | Heat, flame, direct sunlight.                                     |
| <b>10.5 Incompatible materials</b>             | Strong acids, strong bases, oxidizing agents, and reducing agents |
| <b>10.6 Hazardous decomposition products</b>   | Formaldehyde, carbon oxides.                                      |

## SECTION 11: Toxicological information

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

## SECTION 12: Ecological information

|                                            |                                                                                                    |
|--------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>12.1 Toxicity<br/>Aquatic toxicity:</b> | LC50(fish): 6.7 mg/l (96 hr)<br>EC50(daphnia): 5.8 mg/l (48 hr)<br>ErC50(algae): 3.48 mg/l (72 hr) |
| <b>12.2 Persistence and degradability:</b> | Readily Biodegradable                                                                              |
| <b>12.3 Bioaccumulative potential:</b>     | low bioaccumulative                                                                                |
| <b>12.4 Mobility in soil:</b>              | High mobility                                                                                      |
| <b>12.5 Other adverse effects:</b>         | No data available                                                                                  |



## SECTION 13: Disposal considerations

| 13.1 Waste treatment methods               |                                                                 |
|--------------------------------------------|-----------------------------------------------------------------|
| <b>Uncleaned packaging Recommendation:</b> | dispose of in accordance with local hazardous waste regulations |
| <b>Recommended cleansing agents:</b>       | Water, sodium bisulfite, sodium hydroxide, isopropyl alcohol.   |

## SECTION 14: Transport information

|                                                                 |                     |
|-----------------------------------------------------------------|---------------------|
| <b>14.1 UN-Number · ADR, ADN, IMDG, IATA:</b>                   | 2213                |
| <b>14.2 UN proper shipping name · ADR, ADN, IMDG, IATA:</b>     | PARAFORMALDEHYDE    |
| <b>14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA :</b> | 6.1                 |
| <b>14.4 Packing group · ADR, IMDG, IATA:</b>                    | 3                   |
| <b>14.5 Environmental hazards:</b>                              | None                |
| <b>14.6 Special precautions for user:</b>                       | Handle responsibly. |

## SECTION 15: Regulatory information

|                                                                                                                                 |                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU</b> | Directive 2012/18/EU, under that this substance is not classified in listed substance. |
| <b>Named dangerous substances:</b>                                                                                              | This substance is not listed in the annex 1 to the directive.                          |
| <b>15.2 Chemical safety assessment:</b>                                                                                         | 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 our knowledge, this document is only for user's reference. Users should make

Multichem Specialities Pvt. Ltd.  
1215, Dalamal Tower,  
Nariman Point, Mumbai 400021, India  
T: +91 2243432121  
E: [multichem@multichemindia.com](mailto:multichem@multichemindia.com)  
[www.multichemindia.com](http://www.multichemindia.com)



their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

— ESTD.1976 —  
MULTI  
CHEM  
—  
YOUR CHEMICAL PARTNER