Section 1 – Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier 207020610500/ 207020615000
Product Name Buffered Formalin 10%

1.2 Relevant identified uses of the substance or mixture and uses advised against.
Identified uses Used as routine fixative for fixing cytological or histological specimens.

1.3 Details of the supplier of the safety data sheet:

Company Name Microxpress®
Division of Tulip Diagnostics (P) Ltd.
Address Plot No. S-124, S-125, Phase III-B, Verna Industrial Estate, Verna, Goa-403 722, INDIA
Telephone (0832) 6622609
Emergency Telephone Please contact your local emergency center.
E-mail sales@tulipgroup.com; mex.queries@tulipgroup.com
Website www.microxpress.in

Section 2 – Hazards Identification

2.1. Classification of the substance or mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Acute toxicity (Category 4)-H302
Skin corrosion/irritation (Category 1C)-H314
Skin sensitization, (Category 1)-H317
Specific target organ toxicity – Single exposure (Category 3)-H335

2.2. Label elements
Labelling according to Regulation (EC) No 1272/2008 [CLP]
Hazard Pictogram:



Signal Word: Danger

Hazard Statements (CLP):
H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H317: May cause an allergic skin reaction
H335: May cause respiratory irritation

Precautionary Statements:
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.

Section 3 – Composition / Information on Ingredients

Components	**g/L**
Formaldehyde	100 mL
Di Sodium hydrogen phosphate	4.0 g
Sodium dihydrogen phosphate	6.5 g
Distilled or deionized water	900 mL

Section 4 – First Aid Measures

4.1 Description of first aid measures

Inhalation: If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

Ingestion: Rinse mouth with water (only if the person is conscious). DO NOT induce vomiting.

Skin Contact: Rinse skin with water/shower. Remove/ Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention.

Section 5 – Fire Fighting Measures

5.1 Suitable Extinguishing Agents: Water spray, Carbon dioxide (CO_2), Dry chemical, alcohol-resistant foam.

5.2 Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 – Accidental Release Measures

6.1 Personal Precautions: Use personal protective equipment as required. Ensure adequate ventilation. Do not breathe vapours, aerosols. Avoid substance contact.

6.2 Spill: Covering of drains, wipe up with absorbent material, place in appropriate containers for disposal.

Section 7 – Handling and Storage

7.1 Handling: Work under hood. Ensure good ventilation. Do not inhale substance/mixture.

7.2 Storage: Keep the container tightly closed. Store at 15°C-30°C.

Section 8 – Exposure Control / Personal Protection

Wear appropriate NIOSH / MSHA –approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.

Section 9 – Physical and Chemical Properties

Appearance: Clear, colourless solution.

Section 10 – Stability and Reactivity

10.1 Stability: Product is stable if stored as per the conditions specified under storage of Section 7. Product loses its potency/performance above 30°C**.**

10.2 Conditions to Avoid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.3 Decomposition Products: Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

Section 11 – Toxicological Information

11.1 Effects of Skin Contact	Causes skin irritation.
Effects of Eye Contact:	Causes serious eye irritation.
Effects of Ingestion:	No information available.
Effects of Inhalation:	Fatal if inhaled.
Sensitization:	May cause an allergic skin reaction.
Target Organs:	May cause damage to organs (eye).
Germ cell mutagenicity:	Suspected of causing genetic defects.
Carcinogenicity:	May cause cancer

11.2 Additional Toxicological Information: None.

Section 12 – Ecological Information

Ecotoxicity: Shall not be classified as hazardous to the aquatic environment.

Section 13 – Disposal Considerations

13.1 Waste treatment methods
Do not empty into drains. Avoid release to the environment. Dispose off waste in accordance with all applicable Federal, State and local laws.

Section 14 – Transport Information

UN No.: Not applicable.

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2. Chemical safety assessment
For this product a chemical safety assessment was not carried out.

Section 16 – Other Information

This product is for use by professionals.

To the best of our knowledge the above-mentioned information is accurate. However, Microxpress® A Division of Tulip Diagnostics (P) Ltd., makes no warranty with respect to its completeness nor assumes any liability resulting from its use. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text. It remains the user's own responsibility to make sure that the information is appropriate and complete for his specific use of this product. The user is also responsible for observing any laws and applicable guidelines.