



## MATERIAL SAFETY DATA SHEET

No. HS D11

Rev. 0 Effective January 2016

| COMPANY DETAILS                |   |                            |
|--------------------------------|---|----------------------------|
| Name:                          | Techchem Specialized chemicals                        | Emergency No: 082 451 5310 |
| Address:                       | P.O. Box 78, BENONI 1500                              | Fax: 086 566 7695          |
| Telephone:                     | (011) 100 7763  |                            |
| 1. PRODUCT IDENTIFICATION      |   |                            |
| PRODUCT Ref. Nr:               | TECH 30   |                            |
| TRADE NAME:                    | TECH 30   |                            |
| PRODUCT DESCRIPTION:           | Chlorine removal RO Water Treatment                   |                            |
| HAZCHEM CODE:                  | Non-hazardous   | EAC NO:                    |
| 2. COMPOSITION                 |   |                            |
| HAZARDOUS COMPONENTS:          | Preparation - Sodium Metabishulphite                  |                            |
| 3. HAZARDS IDENTIFICATION      |   |                            |
| MAIN HAZARD:                   | Irritation to skin and eyes                           |                            |
| FLAMMABILITY:                  | Non flammable.  |                            |
| CHEMICAL HAZARD:               | None.   |                            |
| BIOLOGICAL HAZARD:             | No data available.                                    |                            |
| REPRODUCTION HAZARD:           | No data available.                                    |                            |
| EYE EFFECTS (EYES):            | Irritation and redness.                               |                            |
| HEALTH EFFECTS (SKIN):         | Irritant.   |                            |
| HEALTH EFFECTS (INGESTION):    | Nausea, vomiting, irritant.                           |                            |
| HEALTH EFFECTS (INHALATION):   | Irritation / Coughing.                                |                            |
| CARCINOGENICITY:               | None  |                            |
| MUTAGENICITY:                  | No data available.                                    |                            |
| NEUROTOXICITY:                 | No data available.                                    |                            |
| 4. FIRST AID MEASURES          |   |                            |
| PRODUCT IN EYE :               | Wash with water for 15 minutes. Section 16(a)         |                            |
| PRODUCT ON SKIN :              | Wash with soap and water.                             |                            |
| PRODUCT INGESTED :             | Do not induce vomiting. Section 16(a)                 |                            |
| PRODUCT INHALED :              | Remove to fresh air.                                  |                            |
| 5. FIRE FIGHTING MEASURES      |   |                            |
| EXTINGUISHING MEDIA :          | Foam or dry Chemical.                                 |                            |
| SPECIAL HAZARDS :              | Chemical reaction can cause fire.                     |                            |
| PROTECTIVE CLOTHING :          | Full chemical suit with breathing apparatus.          |                            |
| 6. ACCIDENTAL RELEASE MEASURES |   |                            |
| PERSONAL PRECAUTIONS :         | Wear protective clothing.                             |                            |
| ENVIROMENTAL PRECAUTIONS :     | Do not allow to enter natural waterways.              |                            |
| SMALL SPILLS :                 | Wash away with large amounts of water.                |                            |
| LARGE SPILLS :                 | Contain with inert material and collect for disposal. |                            |





| <b>7. HANDLING AND STORAGE</b>                    |  |
|---|--|
| SUITABLE MATERIAL:                                | Plastic Drums.                                     |
| HANDLING/ STORAGE PRECAUTIONS:                    | Store in cool dry place.                           |
| <b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b> |  |
| OCCUPATIONAL EXPOSURE LIMITS:                     | None.  |
| ENGINEERING CONTROL MEASURES :                    | Safety showers. Adequate Ventilation.              |
| PERSONAL PROTECTION – RESPIRATORY :               | Work in places with adequate ventilation.          |
| PERSONAL PROTECTION – HANDS :                     | Rubber gloves.                                     |
| PERSONAL PROTECTION – EYES :                      | Wear goggles or face shield.                       |
| PERSONAL PROTECTION – SKIN :                      | Overall, Plastic apron, Gumboots, Gloves.          |
| OTHER PROTECTION :                                |  |
| <b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>        |  |
| APPEARANCE:                                       | Clear Light Green liquid                           |
| ODOUR:  | Mild.  |
| PH: (as received)                                 | 4.0 – 7.0  |
| BOILING POINT:                                    | 100°C  |
| MELTING POINT:                                    | N/A  |
| FLASH POINT:                                      | None.  |
| AUTOFLAMMABILITY:                                 | None.  |
| EXPLOSIVE PROPERTIES:                             | None.  |
| OXIDISING PROPERTIES:                             | None.  |
| VAPOUR PRESSURE:                                  | As water.  |
| DENSITY:  | +0.2 -1.20   |
| SOLUBILITY – WATER:                               | Soluble.   |
| SOLUBILITY – SOLVENT:                             | Insoluble.   |
| SOLUBILITY – CO-EFFICIENT:                        | N/A  |
| NEUROTOXITY:                                      | None.  |
| <b>10. STABILITY AND REACTIVITY</b>               |  |
| CONDITIONS TO AVOID :                             | Heat.  |
| INCOMPATIBLE MATERIALS :                          | None.  |
| HAZARDOUS DECOMPOSITION PRODUCTS :                | Sodium Metabisulphite                              |
| <b>11. TOXICOLOGICAL INFORMATION</b>              |  |
| ACUTE TOXICITY:                                   | Refer Section 3                                    |
| SKIN AND EYE CONTACT:                             | Refer Section 3                                    |
| CHRONIC TOXICITY:                                 | Refer Section 3                                    |
| CARCINOGENICITY:                                  | Not listed in any OSHA standard, section 1910.1200 |
| MUTAGENICITY:                                     | No data available.                                 |
| REPRODUCTIVE HAZARDS :                            | No data available.                                 |
| <b>12. ECOLOGICAL INFORMATION</b>                 |  |
| AQUATIC TOXICITY - FISH:                          | Dangerous to Aquatic Life at high concentrations.  |
| AQUATIC TOXICITY – DAPHNIA:                       | Dangerous to Aquatic Life at high concentrations.  |
| AQUATIC TOXICITY – ALGAE:                         | Dangerous to Aquatic Life at high concentrations.  |
| BIODEGRADEABILITY:                                | Yes.   |
| BIO-ACCUMULATION:                                 | No.  |
| MOBILITY:   | Very mobile in water.                              |





| 13. DISPOSAL CONSIDERATIONS  |                               |
|--|-------------------------------|
| DISPOSAL METHODS: The product is not a hazardous waste. Dispose in an approved landfill.   |                               |
| DISPOSAL OF PACKAGING: Dispose of drums through a registered drum re-conditioning company. |                               |
| 14. TRANSPORT INFORMATION (ACCORDING TO SABS 0228 AND 0229)                                |                               |
| UN NO: 1760  | CLASS: Hazard not classified. |
| SUBSTANCE IDENTITY NO: N/A   | DANGER GROUP:                 |
| 15. REGULATORY INFORMATION   |                               |
| RISK PHASES: R21,R34,R24,R26   |                               |
| SAFETY PHASES: S22,S36,S25,S36   |                               |
| NATIONAL LEGISLATION:  |                               |
| 16. OTHER INFORMATION  |                               |
| (a) Seek medical attention.  |                               |
| (b)  |                               |
| (c)  |                               |
|  |                               |
|  |                               |
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*This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.*

