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| 1. **Product Information** |
| Trade name : BLEACH |
| Product Description : BLEACH AND SANITIZING AGENT |
| Sin/un no : 1408 |
| Erg no : 2236 |
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| 1. **Composition** |
| Hazardous components : HYPO CHLORIDE |
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| 1. **Hazards Identification** |
| Main Hazard : BLEACHING |
| Flammability : NONE |
| Chemical Hazard : NONE |
| Biological Hazards : YES |
| Reproduction Hazard : NONE |
| Eye Effects (eyes) : IRRATANT |
| Health Effects (skin) : MILD IRRETANT |
| Health Effects (ingestion) : MAY CAUSE VOMETING |
| Health Effects (inhalation) : NONE |
| Carcinogenicity : NONE |
| Mutagenicity : NONE |
| Neurotoxicity : NONE |
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| 1. **First Aid Measures** |
| Product in eye : FLASH WITH LOTS OF WATER FOR 15 MIN. SEEK MEDICAL ADVICE |
| Product on skin : NONE |
| Product ingested : DO NOT INGEST, VOMETING SEEK MEDICAL ADVICE |
| Product inhaled : NONE |
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| 1. **Fire Fighting Measures** |
| Extinguising Media : NOT APPLICABLE |
| Special Hazards : NONE |
| Protective Clothing : PVC GLOVES AND GOGGLES |
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**Material Safety Data Sheet**

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| 1. **Accidental Release Measures** |
| Personal Precautions : FLUSH WITH LOTS OF WATER |
| Enviromental Precautions : AVOID SPILAGE INTO STREAMS AND RIVERS |
| Small Spills : WASH AWAY WITH WATER |
| Large Spills :NEUTRALIZE WITH SODA ASH AND WASH AWAY WITH WATER. |
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| 1. **Handling and Storage** |
| Suitable Material : AVOID DIRECT SUNLIGHT STORE IN A DRY PLACE |
| Handling/Storage Precautions : NONE |
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| 1. **Exposure Controls / Personal Pretection** |
| Occupational Exposure Limits :NONE |
| Engeneering Control Measuers :NONE |
| Personal Protection – Resparatory : NONE |
| Personal Protection – Hands : PVC GLOVES |
| Personal Protection – Eyes : GOGGLES |
| Personal Protection – Skin : NONE |
| Other Protection : NONE |
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| 1. **Physical and Chemical Proporties** |
| Apperance : PALE YELLOW LIGQUID |
| Odour : CHLORINE |
| PH : 4 |
| Boiling Point : > 100 |
| Melting Point : NOT APPLLICABLE |
| Flash Point : NOT APPLICABLE |
| Flammability : NON FLAMABLE |
| Autoflammability : NONE FLAMABLE |
| Explosive Properties :NONE |
| Oxidising Properties : NONE |
| Vapour Pressure : NONE |
| Density : 1.11 |
| Solibility – Water : COMPLETELY |
| Solibility – Solvent : NONE SOLIBILTY |
| Solibility – Co-Efficient : >0 |
| Neurotoxity :NONE |
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| 1. **Stability and Reactivity** |
| Conditions to avoid : AVOID STORING WITH ACIDS |
| Incompatible Materials : ACIDS |
| Hazardous Decomposition Products : NONE |
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| 1. **Toxicological Information** |
| Acute Toxicity : HARMFUL TO FISH |
| Skin and Eye Contact : FLUSH WITH WATER AND SEEK MEDICAL ADVICE |
| Chronic Toxicity : NONE |
| Carcinogenicity : NONE |
| Mutagenicity : NONE |
| Reproductive Hazards :NONE |
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| 1. **Ecological Information** |
| Aquatic Toxicity – Fish : |
| Aquatic ToxIcity – Daphnia : |
| Aquatic Toxicity - Algae : |
| Biodegardability : DEGRADABLE |
| Bio-Accumulation : NONE |
| Mobility : NONE |
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| 1. **Disposal Considerations** |
| Disposal Methods : NEUTRALIZE WITH SODA ASH |
| Disposal of Packaging : CONTAINERS CAN BE RECYCLED |
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| 1. **Transport Information (according to SABS 0228 and 0229)** |
| UN no : 1206 |
| Class : 2 |
| Substance Identity no : 2237 |
| Danger Group : CLASS 1 |
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| 1. **Regulatory Information :** |
| Risk Phases : R20 |
| Safety Phrases : S2 |
| National Legisalation : NONE |