



## Material Safety Data Sheet

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### SECTION I - Material Identity

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|                        |                           |
|------------------------|---------------------------|
| Item Name              |                           |
| Part Number/Trade Name | PURE BRIGHT BLEACH - 5.5% |
| National Stock Number  | 6810005987316             |
| CAGE Code              | KIKNO                     |
| Part Number Indicator  | A                         |
| MSDS Number            | 190749                    |
| HAZ Code               | B                         |

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### SECTION II - Manufacturer's Information

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|                   |                   |
|-------------------|-------------------|
| Manufacturer Name | KIK INTERNATIONAL |
| Street            | 33 MACINTOSH BLVD |
| City              | CONCORDE          |
| State             | OH                |
| Country           | US                |
| Emergency Phone   | 800-255-3924      |
| Information Phone | 905-660-0444      |

### MSDS Preparer's Information

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|                            |         |
|----------------------------|---------|
| Date MSDS Prepared/Revised | 12MAR01 |
| Active Indicator           | Y       |

**Alternate Vendors**


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|                |       |
|----------------|-------|
| Vendor #1 CAGE | KIKNO |
|----------------|-------|

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**SECTION III - Physical/Chemical Characteristics**


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|                                   |                                                       |
|-----------------------------------|-------------------------------------------------------|
| Hazard Storage Compatibility Code | NR                                                    |
| NRC License Number                | NR                                                    |
| Net Propellant Weight (Ammo)      | NR                                                    |
| Appearance/Odor                   | THIN YELLOWISH-GREEN CLEAR LIQUID; MILD CHLORINE ODOR |
| Boiling Point                     | 95F/35C                                               |
| Melting Point                     | NR                                                    |
| Vapor Pressure                    | LIKE WATER                                            |
| Vapor Density                     | AIR = 1                                               |
| Specific Gravity                  | 1.08                                                  |
| Decomposition Temperature         | NR                                                    |
| Evaporation Rate                  | 1                                                     |
| Solubility in Water               | COMPLETE                                              |
| Percent Volatiles by Volume       | 89                                                    |
| Chemical pH                       | 11.5-12.4                                             |
| Corrosion Rate                    | NR                                                    |
| Container Type                    | K                                                     |
| Container Pressure Code           | 1                                                     |
| Temperature Code                  | 4                                                     |
| Product State Code                | L                                                     |

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**SECTION IV - Fire and Explosion Hazard Data**


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|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| Flash Point Method               | NA                                                                  |
| Lower Explosion Limit            | N/A                                                                 |
| Upper Explosion Limit            | N/A                                                                 |
| Extinguishing Media              | FLOOD W/WATER                                                       |
| Special Fire Fighting Procedures | WEAR APPROVED RESPIRATOR, FLAME RESISTANT CLOTHING & EYE PROTECTION |
| Unusual Fire/Explosion Hazards   | COOL CNTRS TO PREVENT RUPTURE & RELEASE OF CHLORINE GAS             |

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**SECTION V - Reactivity Data**


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|                               |                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Stability                     | YES                                                                                                                     |
| Stability Conditions to Avoid | REACTS VIOLENTLY W/ORGANIC & INORGANIC AMINES, ACIDS, AMMONIA BOWL CLEANERS, ETC                                        |
| Materials to Avoid            | ACID OR AMMONIA CONTAINING PRODUCTS, RUST REMOVERS, TOILET BOWL CLEANERS, FECES. DO NOT USE OR MIX W/ANY OTHER CLEANERS |

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|                                    |                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------|
| Hazardous Decomposition Products   | PRODUCES EVOLVED CHLORAMINES & CHLORINE GASES IF MIXED W/ AFORE MENTIONED PRODUCTS |
| Hazardous Polymerization           | NO                                                                                 |
| Polymerization Conditions to Avoid | WILL NOT OCCUR                                                                     |

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## SECTION VI - Health Hazard Data

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|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Route of Entry: Skin                 | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Route of Entry: Ingestion            | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Route of Entry: Inhalation           | YES                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Health Hazards - Acute and Chronic   | SKIN/EYE: IRRITANT, MAY CAUSE BURNS AND/OR RASH ON SKIN AND MUCOUS MEMBRANES. BLEACHES SKIN & HAIR                                                                                                                                                                                                                                                                                                                                                                  |
| Carcinogenity: NTP                   | NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Carcinogenity: IARC                  | NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Carcinogenity: OSHA                  | NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Explanation of Carcinogenity         | NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Symptoms of Overexposure             | IRRITATION OF SKIN, EYE, RESPIRATORY SYSTEM                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Medical Cond. Aggravated by Exposure | NONE GIVEN                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Emergency/First Aid Procedures       | EYE: FLUSH W/FLOWING WATER FOR >15 MIN. GET PROMPT MEDICAL ATTN. SKIN: IMMED. REMOVE CONTAMINATED CLOTHING & WASH W/LG AMTS OF WATER. THOROUGHLY WASH CONTAMINATED CLOTHING BEFORE REUSE. INGEST: MAY CAUSE NAUSEA & VOMITING. GIVE 2-3 GLASSES OF WATER OF MILK ONLY. DO NOT CAUSE VOMITING. SEEK MEDICAL ATTN. IMMED IF EXPOSED. INHALE: REMOVE FROM EXPOSURE. GIVE MOIST O2. CPR CAN BE GIVEN IF NEEDED OF BREAHTING PROBLEMS MAY DEVELOP. TRANSPORT TO HOSPITAL |

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## SECTION VII - Precautions for Safe Handling and Use

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|                                    |                                                                                                                                                                            |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Steps if Material Released/Spilled | WASH SPILLS W/PLENTY OF WATER INTO A HOLDING TANK FOR NEUTALIZATION & DISPOSAL. USE LOW PRESSURE WATER SPRAY. OBSERVE LOCAL, STATE AND FEDERAL LAW                         |
| Waste Disposal Method              | WASH SMALL SPILLS INTO SEWER W/WATER. DIKE LG SPILLS. ABSORB W/OIL-DRI OR SIMILAR INERT MTRL. SWEEP OR SCRAPE UP & CONTAINERIZE IN INERT CNTR. RINSE AFFECTED AREA W/WATER |
| Handling and Storage Precautions   | CORROSIVE                                                                                                                                                                  |

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## SECTION VIII - Control Measures

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|                        |             |
|------------------------|-------------|
| Respiratory Protection | NONE LISTED |
|------------------------|-------------|

|                                 |                                                                                            |
|---------------------------------|--------------------------------------------------------------------------------------------|
| Ventilation                     | SPOT VENTILATION OR MECHANICAL VENT TO MAINTAIN VAPORS BELOW TLV                           |
| Protective Gloves               | PVC RUBBER OR OTHER IMPERVIOUS                                                             |
| Eye Protection                  | CHEM SPLASHPROOF GOGGLES                                                                   |
| Other Protective Equipment      | PVC RUBBER OR OTHER IMPERVIOUS APRON, HAT AND CLOSED SHOE DEPENDING ON EXPOSURE CONDITIONS |
| Supplemental Health/Safety Data | NONE LISTED                                                                                |
| Disposal Code                   | 0                                                                                          |

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### SECTION IX - Label Data

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|                                |                                               |
|--------------------------------|-----------------------------------------------|
| Protect Eye                    | YES                                           |
| Protect Skin                   | YES                                           |
| Protect Respiratory            | YES                                           |
| Chronic Indicator              | NO                                            |
| Contact Code                   | SLIGHT                                        |
| Fire Code                      | UNKNOWN                                       |
| Health Code                    | UNKNOWN                                       |
| React Code                     | UNKNOWN                                       |
| Specific Hazard and Precaution | NO TARGET ORGANS LISTED FOR CHRONIC EXPOSURES |

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### SECTION X - Transportation Data

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|                    |    |
|--------------------|----|
| Container Quantity | 1  |
| Unit of Measure    | GL |

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### SECTION XI - Site Specific/Reporting Information

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|----------------------------------|---|
| Volatile Organic Compounds (P/G) | 0 |
| Volatile Organic Compounds (G/L) | 0 |

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### SECTION XII - Ingredients/Identity Information

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|                   |                                           |
|-------------------|-------------------------------------------|
| Ingredient #      | 01                                        |
| Ingredient Name   | HYPOCHLOROUS ACID, SODIUM SALT (5.3-5.7%) |
| CAS Number        | 7681529                                   |
| Proprietary       | NO                                        |
| Percent           | 5.7                                       |
| OSHA PEL          | NR                                        |
| ACGIH TLV         | NR                                        |
| Recommended Limit | NONE SPECIFIED                            |
| Ingredient #      | 02                                        |
| Ingredient Name   | SODIUM HYDROXIDE (0.3-0.5%)               |

|                   |                |
|-------------------|----------------|
| CAS Number        | 1310732        |
| Proprietary       | NO             |
| Percent           | .5             |
| OSHA PEL          | 2 MG/M3        |
| ACGIH TLV         | 2 MG/M3        |
| Recommended Limit | NONE SPECIFIED |

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