



## I - PRODUCT IDENTIFICATION AND USE

MSDS ID: 0304

PRODUCT NAME: BG-26

USE: Heavy Duty Cleaner

## SUPPLIER:

JohnsonDiversey Canada, Inc.  
2401 Bristol Circle  
Oakville Ontario, L6H 6P1, Canada

## EMERGENCY PHONE:

1-800-668-7171

WHMIS CLASSIFICATION: E

CHEMICAL FAMILY: caustic alkali

TRADE NAME / SYNONYMS: not applicable

CHEMICAL NAME: not applicable

## II - HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENT    | % w/w | CAS #       | LD50 / LC50     | Route / Species |
|-------------------------|-------|-------------|-----------------|-----------------|
| Sodium metasilicate     | 15-40 | 006834-92-0 | LD50 1153 mg/kg | oral/rat        |
| Sodium hydroxide        | 15-40 | 001310-73-2 | LDLo 500 mg/kg  | oral/rab        |
| Sodium carbonate        | 15-40 | 000497-19-8 | LD50 4090 mg/kg | oral/rat        |
| Sodium tripolyphosphate | 10-30 | 007758-29-4 | LD50 4100 mg/kg | oral/rat        |

## III - HANDLING AND DISPOSAL PROCEDURES

## PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Natural Rubber

Eye: Safety glasses

Footwear: Rubber boots

Respiratory: NIOSH approved dust mask

Other: Not normally required

## SPECIAL HANDLING PROCEDURES AND EQUIPMENT:

Wear protective equipment. Avoid eye and skin contact. Rapid mixing of this product with water generates heat and dangerous boiling can result. Always add this product to cold water slowly and with good mixing.

VENTILATION REQUIREMENTS: No special requirements.

INCOMPATIBILITY (Material to Avoid): Acids

SPILL PROCEDURES: Sweep or scoop up material for disposal.

WASTE DISPOSAL: Dispose according to municipal, provincial, and federal regulations.

STORAGE / SHIPPING REQUIREMENT: Store in a cool dry area in a closed container. UN1823

## IV - PHYSICAL PROPERTIES

APPEARANCE / ODOUR: White, free-flowing powder

S.G. / BULK DENSITY(g/cc): not available

pH: (1% solution): 12.8 ± 0.5

VAPOUR PRESSURE (mmHg): not applicable

VAPOUR DENSITY (air=1): not applicable

ODOUR THRESHOLD: not applicable

BOILING POINT: not applicable

FREEZING POINT: not applicable

PERCENT VOLATILE: not applicable

SOLUBILITY IN WATER: soluble

EVAPORATION RATE (water=1): not applicable

## V - TOXICOLOGICAL PROPERTIES

## EFFECTS OF ACUTE EXPOSURE TO MATERIAL:

EYES: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.

SKIN: Corrosive. May cause severe irritation. May cause temporary or permanent damage if not treated promptly.

INGESTION: Corrosive. May cause severe irritation of the digestive tract.

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>INHALATION:</b> Breathing dust may cause respiratory irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                     |
| <b>LD50 (calculated):</b> 1050 mg/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>LC50 (calculated):</b> not available                                                                                             |
| <b>OTHER TOXIC EFFECTS:</b> none known                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                     |
| <b>EFFECTS OF CHRONIC EXPOSURE TO MATERIAL:</b> none known                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                     |
| <b>VI - FIRST AID MEASURES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                     |
| <b>EYES:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flush eyes with plenty of water for at least 15 minutes. Hold eyelids open while rinsing. Contact a physician immediately.          |
| <b>SKIN:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Flush affected area thoroughly with water. If irritation develops, contact a physician.                                             |
| <b>INGESTION:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Do not induce vomiting. Drink large volumes of water . Never give anything by mouth to an unconscious patient. Contact a physician. |
| <b>INHALATION:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Remove patient to fresh air. Get medical attention for any breathing difficulty.                                                    |
| <b>VII - FIRE AND EXPLOSION DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                     |
| <b>FLAMMABLE:</b> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                     |
| <b>FLASH POINT, °C:</b> not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>AUTO IGNITION TEMPERATURE, °C:</b> N/Ap.                                                                                         |
| <b>EXTINGUISHING MEDIA:</b> Water [x] Dry Chemical [x] Carbon Dioxide [x] Foam [x] Other [ ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                     |
| <b>SPECIAL FIRE FIGHTING PROCEDURES:</b> not required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                     |
| <b>HAZARDOUS COMBUSTION PRODUCTS:</b> not applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                     |
| <b>EXPLOSIVE SENSITIVITY TO:</b> not applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                     |
| <b>VIII - REACTIVITY DATA</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                     |
| <b>STABILITY:</b> Stable [x] Unstable [ ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |
| <b>CONDITIONS TO AVOID:</b> High humidity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                     |
| <b>INCOMPATIBILITY (Material to Avoid) :</b> Acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                     |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Heat released on contact with acids.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                     |
| <b>REACTIVITY:</b> Not dangerously reactive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                     |
| <b>IX - MSDS PREPARATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                     |
| <b>SOURCES USED:</b> RTECS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>PREPARED BY:</b> JohnsonDiversey Canada, Inc.<br>Regulatory Department<br>Food Division<br>Phone (905) 829-1200                  |
| <b>PREPARATION DATE:</b> April 15, 2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                     |
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