

MATERIAL SAFETY DATA SHEET

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DATE OF ISSUE: January, 05, 2006

GENERAL INFORMATION # : 314-647-1888
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I-PRODUCT IDENTIFICATION

BUG BUSTER

PRODUCT CODE: #033

CHEMICAL FORMULATION: WATER SOLUBLE CLEANER & BUG REMOVER

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: FLAMMABILITY: REACTIVITY:

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - HAZARDOUS INGREDIENTS

| Hazardous Components (Specific Chemical Identity; Common Name (s)) | CAS No. | OSHA PEL | ACGIH TLV | WEIGHT % |
|--|-----------|----------|-----------|----------|
| SODIUM METASILICATE | 683-49-20 | | N/A | |
| POTASSIUM HYDROXIDE | 131-05-83 | | 10ppm | |
| ISOPROPANOL | 67-630 | | 400ppm | |
| 2-BUTOZYETHANOL | 111-76-2 | | 50ppm | |
| WATER (BALANCE) | | | | |

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling Level STEL: Short Term Exposure Limit

N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III/ List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III/ List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - PHYSICAL DATA

BOILING POINT (°f): 212 MELTING POINT: N/A
VAPOR PRESSURE (mm Hg): NOT DET SPECIFIC GRAVITY (H20=1): 1.10
VAPOR DENSITY (AIR=1) NOT DET
SOLUBILITY IN WATER: SOLUBLE EVAPORATION RATE (Butyl Acetate=1): N/A
pH: 13.50
APPEARANCE AND ODOR: CLEAR, YELLOW LIQUID, SLIGHT DETERGENT ODOR

IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (Method used): NONE

(TEST METHOD):

FLAMMABLE LIMITS: NO DATA

UPPER: N/E

LOWER: N/E

EXTINGUISHING MEDIA: WATER, FOAM, CARBON DIOXIDE, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: COOL DRUMS IN VICINITY OF FIRE WITH WATER FOG. FIREFIGHTERS SHOULD BE EQUIPPED WITH FULL PROTECTIVE GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS

UNUSUAL FIRE AND EXPLOSION HAZARD: NONE

V - REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY: ACIDIC MATERIALS
CONDITIONS TO AVOID: NONE
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: THERMAL DECOMPOSITION CAN PRODUCE CO & CO₂
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: N/A

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VI - HEALTH AND HAZARD DATA

THRESHOLD LIMIT VALUE: N/E

SYMPTOMS OF OVEREXPOSURE

IF IN EYES: SEVERE DESTRUCTION OF TISSUE.

IF ON SKIN: SEVERE IRRITATION, BURNS AND ULCERATIONS

IF INGESTED: SEVERE BURNS TO MUCOUS MEMBRANES, DESTRUCTION OF TISSUE; DANGER-MAY BE FATAL

IF INHALED: SEVERE IRRITATION OF RESPIRATORY TRACT, PULMONARY EDEMA, LARYNGAL SPASMS

EMERGENCY FIRST AID

IF IN EYES: FLUSH EYES AND UNDER EYELIDS WITH PLENTY OF COOL WATER FOR AT LEAST 15 MINUTES OR WASH WITH A 5% BORIC ACID SOLUTION. OBTAIN IMMEDIATE MEDICAL ASSISTANCE AND CONTINUE FLUSHING UNTIL ASSISTANCE ARRIVES

IF ON SKIN: REMOVE CONTAMINATED CLOTHING AND LAUNDRY BEFORE RE-USE. FLUSH THOROUGHLY WITH VINEGAR AND WATER.

IF INGESTED: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER FOLLOWED WITH CITRUS FRUIT JUICE. CALL PHYSICIAN OR POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON

IF INHALED: REMOVE PERSON TO FRESH AIR AND CALL PHYSICIAN IMMEDIATELY

VII - SPILL AND LEAK PROTECTION

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: FLUSH AWAY WITH WATER INTO DRAIN

WASTE DISPOSAL METHOD: ACCORDING TO LOCAL POLLUTION ORDINANCES

VIII - SPECIAL PROTECTION INFORMATION

VENTILATION: LOCAL EXHAUST: RECOMMENDED
MECHANICAL: RECOMMENDED

RESPIRATORY PROTECTION: USE ONLY WITH ADEQUATE VENTILATION. USE APPROVED RESPIRATOR TO PREVENT INHALATION OF VAPORS OR MISTS

PROTECTIVE GLOVES: IMPERVIOUS RUBBER GLOVES

EYE PROTECTION: CHEMICAL GOGGLES

OTHER PROTECTIVE EQUIPMENT: PROTECTIVE CLOTHING, EMERGENCY SHOWER AND EYE WASH STATION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AWAY IN A COOL, DRY PLACE, AWAY FROM ACIDS. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN

WORK/HYGIENIC PRACTICES: N/A

REVISION DATE: January 05, 2005

Prepared By:

DATE OF ISSUE: January 05, 2005

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