# MATERIAL SAFETY DATA SHEET

| May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements. | HMIS HAZARD RATING | | | |
|---|---|---|---|---|
| **SAFETEC OF AMERICA** | HEALTH | 1 | 0 = INSIGNIFICANT | 3 = HIGH |
| | FLAMMABILITY | 1 | 1 = SLIGHT | 4 = EXTREME |
| | REACTIVITY | 0 | 2 = MODERATE | |

| TRANSPORTATION INFORMATION | | | |
|---|---|---|---|
| PROPER SHIPPING NAME | Not Regulated | | |
| HAZARD CLASS / PKG. GRP. | None / None | REF. | Not Applicable |
| IDENTIFICATION NUMBER | None | LABEL | None Required |

## SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)

**GREEN Z™**



| | |
|---|---|
| MANUFACTURER'S NAME<br>Safetec of America, Inc. | EMERGENCY TELEPHONE NUMBER (24 Hours)<br>(800) 255-3924 |
| ADDRESS (NUMBER, STREET, P.O. BOX)<br>887 Kensington Avenue @ William L. Gaiter Pkwy. | TELEPHONE NUMBER FOR INFORMATION<br>(716) 895-1822 |
| (CITY, STATE AND ZIP CODE)<br>Buffalo, NY 14215 | DATE PREPARED September 1, 2004<br>SUPERSEDES February 11, 2004 |

## SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

| HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S)) | CAS # | % (wt.) (OPTIONAL) | OSHA PEL/STEL | | ACGIH TLV/TWA/STEL | |
|---|---|---|---|---|---|---|
| | | | PPM | $MG/M^3$ | PPM | $MG/M^3$ |
| Superabsorbent polymer; CAS proprietary | | 100 | | 5 (PEL) | | 5 (TLV) |

This product is not known to contain a substance subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR 372 at or above minimal amounts.

## SECTION 3 - HEALTH HAZARD DATA

| ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE | EMERGENCY AND FIRST AID PROCEDURES |
|---|---|
| EYES: May cause slight irritation. | Flush eyes with clear running water for a minimum of 15 minutes while holding eyelids open; if irritation persists, seek medical attention. |
| SKIN: Prolonged or repeated contact unlikely to cause significant irritation. | Flush with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention. |
| INGESTION: This product is not considered toxic based. If ingested in quantity, material may cause gastro-intestinal discomfort. | Drink large amounts of water. DO NOT induce vomiting. Seek medical attention if required. |
| INHALATION: Breathing of dust may cause throat and upper respiratory tract irritation. | Remove to fresh air; seek medical attention if required. |

HEALTH HAZARDS (ACUTE AND CHRONIC): Acute effects are possible irritation and discomfort; no known chronic effects have been established.

CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

No additional information

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting eye, skin, or breathing disorders may become aggravated through exposure.

## SECTION 4 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED)
Not Applicable

FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component)
LEL: Not Applicable UEL: Not Applicable

EXTINGUISHING MEDIA
Water, Dry chemicals, foam, $CO_2$

SPECIAL FIRE FIGHTING PROCEDURES
Wear NIOSH/MSHA approved self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS
Spilled material swells and becomes extremely slippery when wet. Dusts at sufficient concentrations can form explosive mixtures with air. Use standard safety precautions for finely divided powders. Thermal decomposition may emit toxic and irritating substances.

## SECTION 5 - PRECAUTIONS FOR SAFE HANDLING AND USE / LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED
In case of accidental spills, provide adequate ventilation; avoid generating dust. Vacuum (using HEPA filter equipped system) if possible to avoid generating airborne dust. Place spilled material into a clean, dry container for disposal.

WASTE DISPOSAL METHODS
Dispose of in accordance with Local, State, and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260-299" for complete waste disposal regulations. Consult your Local, State, or Federal Environmental Protection Agency before disposing of any chemicals.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
Keep container(s) tightly closed when not in use. Store in cool, dry area. Keep this and other chemicals out of reach of children.

## SECTION 6 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION
Use NIOSH/MSHA approved or equivalent with high efficiency filter for particulate levels above 0.05mg/$m^3$

VENTILATION
LOCAL EXHAUST: Recommended
MECHANICAL (GENERAL): As appropriate

PROTECTIVE GLOVES
Impervious rubber

EYE PROTECTION
Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT
Ordinarily, none required

WORK / HYGIENIC PRACTICES
Practice safe work habits. Use according to label instructions.

## SECTION 7 - PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT
Not applicable

BULK DENSITY
43.7–51.8 lb./cu. ft.

VAPOR PRESSURE (mm Hg)
Not applicable

MELTING POINT
Not applicable

VAPOR DENSITY (AIR=1)
Not applicable

PH
No data

SOLUBILITY IN WATER
Slight

EVAPORATION RATE (n-BUTYL ACETATE=1)
Not applicable

APPEARANCE AND ODOR
Off-white, granular powder; odorless

% VOLATILES (BY WEIGHT)
Not applicable

## SECTION 8 - STABILITY AND REACTIVITY

STABILITY
UNSTABLE:
STABLE: XXX

CONDITIONS TO AVOID
High humidity, moisture

INCOMPATIBILITIES (MATERIALS TO AVOID)
Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS
Decomposition will not occur if handled / stored properly. Thermal decomposition may emit oxides of nitrogen, oxides of carbon.

HAZARDOUS POLYMERIZATION
MAY OCCUR:
WILL NOT OCCUR: XXX

CONDITIONS TO AVOID
None known

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.