

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

HEALTH	1	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	1	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

SAFETEC OF AMERICA

Distributed by
Rainbow Technology Corp.
 Tel: 1.800.637.6047 / 205.733.0333
 RTC Products #79033

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST) RED Z[®]		Page 1 of 2
MANUFACTURER'S NAME Safetec of America, Inc.	EMERGENCY TELEPHONE NUMBER (24 Hours) (800) 255-3924	
ADDRESS (NUMBER, STREET, P.O. BOX) 887 Kensington Ave.	TELEPHONE NUMBER FOR INFORMATION (716) 895-1822	
(CITY, STATE AND ZIP CODE) Buffalo, NY 14215	DATE PREPARED SUPERSEDES	April 2, 2014 August 13, 2013

SECTION 2 - HAZARDS IDENTIFICATION

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: Breathing of dust may cause throat and upper respiratory tract irritation.
 EYES: May cause moderate irritation associated with redness and burning sensation.
 INGESTION: Ingested material may cause burning of mouth, throat and esophagus, abdominal distress and moderate irritation.
 SKIN: Prolonged or repeated contact may cause skin irritation.

HEALTH HAZARDS (ACUTE): Acute effects are possible Irritation and discomfort.
 MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
 Pre-existing skin or breathing disorders may become aggravated through prolonged exposure.

SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS #	% (wt.) (OPTIONAL)	ACGIH TLV/TWA/STEL			
			PPM	MG/M ³	PPM	MG/M ³
Superabsorbent polymer, CAS proprietary	9003-04-7	>97		5 (PEL)		5 (TLV)
Sodium dichloro-s-triazinetriene	2893-78-9			None Established		None Established

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 4 - FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air; seek medical attention if required.
 EYES: Flush eyes with clear running water for a minimum of 15 minutes while holding eyelids open; if irritation persists, seek medical attention.
 INGESTION: Drink large amounts of water. DO NOT induce vomiting. Seek medical attention.
 SKIN: Flush with clear running water for a minimum of 15 minutes; if irritation persists, seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) Not Applicable	FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component) LEL: N/A UEL: N/A
EXTINGUISHING MEDIA Water, water spray, water fog	
SPECIAL FIRE FIGHTING PROCEDURES Use water spray to cool fire-exposed containers and structures. Wear NIOSH/MSHA approved self contained breathing apparatus.	
UNUSUAL FIRE AND EXPLOSIVE HAZARDS Spilled material swells and becomes extremely slippery when wet. Use standard safety precautions for finely divided powders. Thermal decomposition may emit chlorine containing substances.	

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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. Do not close disposal containers containing wet or damp material; they should be left open to disperse any chlorine gas that may form.

SECTION 7 - HANDLING AND STORAGE

Handling: Keep container(s) tightly closed when not in use. Storage: Store in cool, dry area. Keep this and other chemicals out of reach of children.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION Use NIOSH/MSHA approved or equivalent with high efficiency filter for bulk quantities or for particulate levels above 0.05mg/m3. For retail or professional package quantities, respirator is not required	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 9 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT Not Applicable	SPECIFIC GRAVITY (WATER = 1) 43.7 - 51.8 lb./cu.ft.
VAPOR PRESSURE (mm Hg) Not Applicable	MELTING POINT >482°F (partial to full decomposition)
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; slight chlorine odor	% VOLATILES (BY WEIGHT) Not applicable

RED Z®

Date: April 2, 2014

SECTION 10 - STABILITY AND REACTIVITY

STABILITY	UNSTABLE:	CONDITIONS TO AVOID
	STABLE: XXX	High humidity, extreme temperatures
INCOMPATIBILITIES (MATERIALS TO AVOID)		
Strong reducing agents		
HAZARDOUS DECOMPOSITION OR BYPRODUCTS		
Decomposition will not occur if handled/stored properly. Thermal decomposition may emit toxic substances.		
HAZARDOUS POLYMERIZATION	MAY OCCUR:	CONDITIONS TO AVOID
	WILL NOT OCCUR: XXX	None known

SECTION 11 - TOXICOLOGICAL INFORMATION

Component analysis - LC50: N/A
Component analysis - LD50: N/A
Effects of acute exposure: Possible irritation and discomfort
Sensitization: Non-hazardous by WHMIS/OSHA criteria.
Chronic Effects: chronic exposure to large amounts of this material has not been characterized and the irritating properties of the material make such an exposure highly unlikely.
Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity: Non-hazardous by WHMIS/OSHA criteria.
Reproductive Effects: Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity: Non-hazardous by WHMIS/OSHA criteria.

SECTION 12 - ECOLOGICAL INFORMATION

Component analysis - LC50: N/A
Component analysis - LD50: N/A
Ecotoxicity: N/A
Environmental Effects: N/A
Aquatic Toxicity: N/A
Persistence / degradability: N/A
Bioaccumulation / accumulation: N/A
Partition coefficient: N/A
Mobility in environmental media: N/A
Chemical fate information: N/A
Other adverse effects: N/A

SECTION 13 - DISPOSAL CONSIDERATIONS

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.
Waste from residues/unused product: N/A
Contaminated Packaging: N/A

SECTION 14 - TRANSPORTATION INFORMATION

PROPER SHIPPING NAME	Not Regulated		
HAZARD CLASS/PKG. GRP.	None/None	REF.	N/A
IDENTIFICATION NUMBER	None	LABEL	None Required

SECTION 15 - REGULATORY INFORMATION

Canadian Federal Regulation: N/A
US Federal Regulation: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
Occupational Safety and Health Administration (OSHA)
29 CFR 1910.1200 hazardous chemical- Yes
CERCLA (Superfund) reportable quantity - N/A
Superfund Amendments and Reauthorization Act of 1986 (SARA) - N/A
Clean Air Act (CAA) - N/A
Clean Water Act (CWA) - N/A
Safe Drinking Water Act (SDWA) - N/A
Drug Enforcement Agency (DEA) - N/A
Food and Drug Administration (FDA) - N/A
WHMIS classification - N/A
State regulations - N/A
Inventory Name - N/A

SECTION 16 - OTHER INFORMATION

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.
Date Prepared: April 2, 2014