

MATERIAL SAFETY DATA SHEET

IDENTITY (AS USED ON LABEL AND LIST)

RED Z™

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Date: February 11, 2004

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

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/m³

VENTILATION

LOCAL EXHAUST: Recommended
MECHANICAL (GENERAL): As appropriate

PROTECTIVE GLOVES

Impervious/chemical resistant

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

>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

SECTION 8 - STABILITY AND REACTIVITY

STABILITY

UNSTABLE:

STABLE: XXX

CONDITIONS TO AVOID

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:

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.