

# MATERIAL SAFETY DATA SHEET



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**PRODUCT NAME: POW-R-FUL**  
**MSDS NO: 51350.03**

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FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE CALL: CHEMTREC 1-800-424-9300 OUTSIDE US CALL 1-703-527-3887	FOR MEDICAL EMERGENCY CALL ROCKY MOUNTAIN POISON CENTER: 1-303-623-5716	HEALTH HAZARD: (0 None > 4 Extreme) Health =2 Flammability =0 Reactivity =1
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## SECTION 1 – PRODUCT IDENTIFICATION

DATE PREPARED: December 1, 2008

SUPERSEDES: September 05, 2000

PREPARED BY: Dean F. Fernholz

D.O.T. SHIPPING CLASS: Class 55, Non-Hazardous Cleaning Compound.

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	CAS. NO.	OSHA PEL	ACGIH TLV	ORAL LD50 RAT	Per-Cent
Sodium Metasilicate	6834-92-0	NE	NE	800 mg/kg	15-40%
Sodium Carbonate	497-19-8	NE	NE	4000 mg/kg	30-60%
Ethoxylated Alcohol	68439-45-2	NE	NE	5600 mg/kg	3-7%
Tetrasodium ethylenediamine tetraacetic acid	64-02-8	NE	NE	630 mg/kg	1-5%
Organic Phosphate Ester	52623-95-7	NE	NE	790 mg/kg	1-5%

\* subject to reporting requirements of Section 313 of Title III of SARA and 40 CFR Part 372.

## SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

BOILING POINT: NA

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1

VAPOR PRESSURE mm/hg: NA

VAPOR DENSITY (Air=1): NA

REACTIVITY IN WATER: None

pH 5% SOLUTION = 11.5

MELTING POINT: > 212 °F

APPEARANCE AND ODOR: White powder, no appreciable odor.

## SECTION 4 – FIRE & EXPLOSION DATA

FLASH POINT: None

FLAMMABILITY LIMITS IN AIR % BY VOLUME:

METHOD USED: None

LEL LOWER: None

UEL UPPER: None

AUTO-IGNITION TEMPERATURE: NA

EXTINGUISHER MEDIA: Water, Carbon Dioxide, Foam, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE & EXPLOSION HAZARDS: None

## SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Acids

HAZARDOUS DECOMPOSITION PRODUCTS: Heat

HAZARDOUS POLYMERIZATION: Will NOT occur

CONDITIONS TO AVOID: NA

## SECTION 6 – HEALTH HAZARDS

**ACUTE:** Irritating and corrosive to eyes, skin, mucous membranes of the respiratory tract, mouth, throat, esophagus and stomach. Can cause permanent corneal damage.

**CHRONIC:** No known chronic effects

**SIGNS & SYMPTOMS OF EXPOSURE:** See ACUTE above

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** NA

**CARCINOGEN OR POTENTIAL CARCINOGENS:** OSHA: None NTP: None IARC: None ACGIH: None

### EMERGENCY FIRST AID:

**EYES:** Flush material out immediately then seek medical attention. Immediately flush eyes with large amounts of water for at least 15 minutes holding lids apart to ensure complete irrigation of the eye/lids. SEEK MEDICAL ATTENTION IMMEDIATELY.

**SKIN:** Flush thoroughly with water while removing contaminated clothing and shoes. SEEK MEDICAL ATTENTION IMMEDIATELY.

Discard non-rubber shoes and wash clothing before reuse.

**INHALATION:** If coughing or sneezing occurs, remove to fresh air.

**INGESTION:** If swallowed, DO NOT INDUCE VOMITING, give large quantities of water or milk. If vomiting occurs spontaneously, keep airways clear. SEEK MEDICAL ATTENTION IMMEDIATELY!

### ROUTES OF ENTRY:

**INHALATION:** Exposure to mist or spray may cause coughing or sneezing. Overexposure may result in lung tissue damage.

**EYES:** Can cause tissue destruction and permanent eye damage if not treated immediately.

**SKIN:** Can be a severe irritant. May be corrosive and cause severe burns.

**INGESTION:** Corrosive to mucous membranes of the mouth, throat, esophagus and stomach.

## SECTION 7 – SPECIAL PRECAUTIONS & SPILL / LEAK PROCEDURES

**HANDLING & STORAGE:** Store in a cool dry area. Keep closed when not in use.

**OTHER PRECAUTIONS:** Normal good housekeeping practices.

**IN CASE OF SPILL:** Sweep up spilled material. Wash residue to drain with large amount of water.

**WASTE DISPOSAL:** Dispose of in accordance with all Federal, State and Local pollution control regulations.

## SECTION 8 – SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** Nuisance Dust

**VENTILATION:** Use with adequate ventilation.

**PROTECTIVE GLOVES:** Rubber or solvent resistant

**EYE PROTECTION:** Safety Glasses or Goggles

**OTHER:** Waterproof suit and boots may be worn

**HYGIENIC PRACTICES:** Wash thoroughly after handling.

## SECTION 9 – COMMUNITY RIGHT TO KNOW LIST

	<u>CHEMICAL NAME:</u>	<u>C.A.S. NO.</u>
1.	Sodium Carbonate	497-19-8
2.	Sodium Metasilicate	6834-92-0
3.	Sodium Tripoly Phosphate	7758-29-4
4.	Ethoxylated Alcohol	68439-45-2
5.	Tetrasodium ethylenediamine tetraacetic acid	64-02-8
6.	Organic Phosphate Ester	52623-95-7

NA = Not Applicable

NE = None Established

The information provided in this Material Safety Data Sheet has been compiled from our experience and data presented in various technical publications. It is the users responsibility to determine the suitability of this information for the adoption of safety precautions as may be necessary. We reserve the right to revise Material Safety Data Sheets from time to time as new technical information becomes available. The information herein is furnished without warranty of any kind.