

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION.

### MART Tech Services

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MEDICAL EMERGENCY HOTLINE 1-800-228-5635 EXT. 005

PRODUCT NAME: **Power Kleen RI**  
 PRODUCT DESCRIPTION: Clear liquid  
 CHEMICAL FAMILY: Alkaline minerals solution  
 REVISION DATE: 11/21/2006

## SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS.

| <u>COMPONENT/CAS #</u>             | <u>ACGIH TLV</u> | <u>OSHA PEL</u> | <u>% WT</u> | <u>NOTES</u> |
|------------------------------------|------------------|-----------------|-------------|--------------|
| SODIUM MOLYBDATE<br>7631-95-0      | 5 MG/M3          | 5 MG/M3         | <10         | N.A.         |
| SODIUM NITRITE<br>7632-00-00       | N.E.             | N.E.            | 4.7         | 1            |
| BASF Corp. recommendation: 2 MG/M3 |                  |                 |             |              |

NOTE 1 – Section 313 Supplier Notification: “1” identifies chemical ingredients subject to reporting requirement of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986. This information should be included in all MSDS's that are copied and distributed for this material.

Sodium Nitrite and solutions of Nitrate Compounds are new additions to the Section 313 listing in 1995, and were not included in earlier notifications.

## SECTION 3 – HAZARDS IDENTIFICATION.

HAZARD SIGNAL (short-term contact or inhalation only):

Health – 1                      Instability – 0  
 Fire – 0                         Other – x  
 (0=insignificant; 1=slight; 2=moderate; 3=high; 4=extreme)

THRESHOLD LIMIT VALUE: N.E., blended product. See Section 2 for information on listed ingredients.

PRIMARY ROUTES OF ENTRY: Eye contact, Skin contact, Inhalation of spray.

### EFFECTS OF ACUTE OVEREXPOSURE:

Eyes – Irritation, severe irritation possible with prolonged contact.

Skin – Irritation possible with prolonged contact.

Inhalation of mists of product or solution – Irritation of respiratory tract. Headache.

Swallowing – Irritation of mouth, throat and stomach. Stomach upset. Possible reduced blood pressure, rapid pulse, headache, nausea, vomiting, visual disturbances, cyanosis, collapse, and coma.

EFFECTS OF CHRONIC OVEREXPOSURE: Unknown; none expected beyond acute effects.

CARCINOGENICITY: This product or its ingredients have not been identified as a carcinogen or probable carcinogen by NTP, IARC monographs, or OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Some people have an allergic sensitivity to nitrites. Otherwise, none known or expected.

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#### **SECTION 4 – FIRST AID MEASURES.**

**EYES** – Immediately flush with cool running water holding eyelids apart. Remove contact lenses if present, and continue flushing for 15 minutes. Get medical assistance if irritation persists or is severe.

**SKIN** – Flush thoroughly with running water. Remove contaminated clothing and wash before reuse. If irritation develops and persists, get medical advice or assistance.

**INHALED** – Remove to fresh air. Immediately call for medical advice or assistance if breathing difficulty or irritation is severe or continues.

**SWALLOWED** – Rinse mouth with large amounts of water. Drink water, milk, or other fluids to dilute. Do not induce vomiting. Call for medical advice or assistance if difficulties and discomfort develop and continue.

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#### **SECTION 5 – FIRE FIGHTING MEASURES.**

FLASH POINT: None                      FLAMMABLE LIMITS LEL-UEL: N.A.

Extinguishing media: As needed for surrounding fire.

Special Fire Fighting Procedures: For any chemical fire wear self contained breathing apparatus, and protective clothing to prevent contact.

Unusual Fire and Explosion Hazards: None.

Hazardous Combustion Products: Oxides of carbon, nitrogen, and molybdenum.

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#### **SECTION 6 – ACCIDENTAL RELEASE MEASURES.**

Small Spills: Flush to drain with excess water.

Large Spills: Stop source of discharge if safe to do so. Contain spilled material, and keep from discharging to surface waters. Recover to drum for later use, treatment, or disposal. Flush residual to drain. Notify local, state, or national authorities if required.

Disposal: Normally sewer disposable in dilute solution. Check with local authorities about any possible restrictions.

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#### **SECTION 7 – HANDLING AND STORAGE.**

Handling: Avoid unnecessary contact with product. Avoid breathing mists of product or solution. Wash after use. Prevent contact with incompatible materials; see Section 10.

Storage: Keep containers tightly closed. Keep from freezing; may rupture container or degrade product.

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#### **SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION.**

Ventilation: General or local to avoid exposure to irritating mists if mists are generated.

Respirator: None normally required. NIOSH/MSHA approved respirator where conditions may cause exposure limits to be exceeded from mists of product or solution.

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Eye Protection: Glasses, goggles, or face shield where conditions may cause eye exposure.

Protective Clothing: Chemical resistant, impermeable gloves as needed to prevent excessive contact. Full body covering and shoes as needed to prevent excessive contact.

Other Protective Equipment or Measures: Eye wash stations or running water in the work area.

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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES.

|                                    |   |
|------------------------------------|---|
| Boiling Point: 212 +/- 10° F       | Vapor Pressure: N.E.                                |
| Specific Gravity: 1.0 +/- 0.1      | Vapor Density: N.E.                                 |
| Percent Volatile: 80% or greater   | Evaporation Rate: Like water<br>n-Butyl acetate = 1 |
| Solubility in Water: Complete.     | pH: 9 +/- 1   |
| Appearance and Odor: See Section 1 | V.O.C.: Nil.  |

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### SECTION 10 – STABILITY AND REACTIVITY.

Stable: Yes. Hazardous Polymerization will not occur.

Conditions to Avoid: Contact with incompatible materials (see below).

Incompatible Materials: Strong oxidizing agents, strong acids, and strong reducing agents.

Do not mix with amines. Contains nitrites which may react with secondary and tertiary amines in acidic conditions to form nitrosamines. Some nitrosamines have been found to cause cancer in animal studies.

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### DISCLAIMER.

The above information is, to the best of our knowledge, current, accurate, and complete based on information reasonably available to us as of the date of preparation of this form. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his or her own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by us as to the effects of such use or on the safety or toxicity of this product. Nor do we assume any liability arising out of use by others of the product. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when exceptional conditions or circumstances exist or because of applicable laws or regulations.

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N.E. = NOT ESTABLISHED / N.A. = NOT APPLICABLE  
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