

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION.**Mart Tech Services -Arcus Inc**

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 Maryland Heights, MO 63043
 800/543-6278
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PRODUCT NAME: **POWERKLEEN II**
 PRODUCT DESCRIPTION: WHITE FREE FLOWING POWDER, LITTLE ODOR.
 CHEMICAL FAMILY: ALKALINE DETERGENT.
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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS.

<u>Hazard</u>	<u>CAS #</u>	<u>WT/Wt % Less Than</u>	
SODIUM METASILICATE	6834-92-0	<50	
ACGIH TLV: NE	(TWA);		
OSHA PEL: NE	(TWA);		
TRIETHANOLAMINE	102-71-6	<5	
ACGIH TLV: 5 MG/M3	(TWA);		
OSHA PEL: NE	(TWA);		
DIETHYLENE GLYCOL MONO-BUTYL ETHER	112-34-5	1.4	SARA Rep.
ACGIH TLV: NE	(TWA);		
OSHA PEL: NE	(TWA);		

NOTE 1 - Section 313 Supplier Notification: "SARA Rep." identifies chemical ingredients subject to reporting requirements 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.

SECTION 3 - HAZARDS IDENTIFICATION.

HEALTH-----	2
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.

PRIMATY ROUTES OF ENTRY: Eye contact, Skin contact.

EFFECTS OF ACUTE OVEREXPOSURE:

Eyes - Severe irritation, or burns possible.

Skin - Irritation, or burns possible with prolonged contact.

Swallowing - Irritation or burns of mouth, throat and stomach. Stomach upset.

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: Dermatitis and similar skin disorders.

SECTION 4 - FIRST AID MEASURES.

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EYES - Immediately flush with cool running water holding eye lids apart. Remove contact lenses if present, and continue flushing for 15 minutes. Get medical assistance.

SKIN - Immediately flush with cool running water for 15 minutes. Remove contaminated clothing and wash before reuse. If irritation or burn 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 unless directed by medical personnel. Immediately call for medical advice or assistance.

SECTION 5 - FIRE FIGHTING MEASURES.

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 and phosphorous.

SECTION 6 - ACCIDENTAL RELEASE MEASURES.

Small Spills, less than 2 pounds: Recover as practical. Flush spill area to drain with excess water.

Large Spills: Only knowledgeable and properly protected people should work with a large spill. Get professional assistance if necessary.

Stop source of discharge if safe to do so. Evacuate unprotected personnel from the immediate area. Keep material dry. 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: Product and un-neutralized solutions are alkaline. Normally sewer disposable in dilute solutions. Check with local authorities about any possible restrictions.

SECTION 7 - HANDLING AND STORAGE.

Handling: Avoid unnecessary contact with product. Avoid breathing product dust, or mists of solution of product.

Wash immediately after contact. Wash after use.

Clean up spills promptly to prevent accidental contact.

Prevent contact with incompatible materials; see Section 10.

Storage: Keep containers tightly closed. Keep product dry to prevent caking.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION.

Ventilation: General or local to avoid exposure to irritating product mists of solutions.

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

Eye Protection: Glasses, goggles, or face shield to prevent eye exposure.

Protective Clothing: Chemical resistant, impermeable gloves as needed to prevent

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excessive contact. Full body covering covering and shoes as needed to prevent excessive contact.

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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES.

Boiling Point: N.E. Vapor Pressure: N.E.
Specific Gravity: N.E. Vapor Density: N.E.
Percent Volatile: Less than 2%. Evaporation Rate: N.A.
Solubility in Water: Complete. pH: 12 ± .5 (2% solution)
Appearance and Odor: See Section 1. V.O.C.: 1.1% by Wt.

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.

SECTION 11 TOXICOLOGICAL INFORMATION

no data

SECTION 12 - ECOLOGICAL INFORMATION

no data

SECTION 13 - DISPOSAL INFORMATION

WASTE MANAGEMENT INFORMATION:

If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery act (RCRA) 40 CFR 261.

But still check and dispose of in accordance with all applicable local, state and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT Information- 49 CFR 172.101

DOT Description: NON-REGULATED BY D.O.T.

CONTAINER/MODE: (POWDER) DRUM

SECTION 15 - REGULATORY INFORMATION

US FEDERAL Regulations: (TSCA Toxic Substances Control Act) Status
TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ-40 CFR 302.4 (a): None

SARA 302 EHS COMPONENTS: None

SECTION 311/312 Acute: Yes, Chronic: Yes, Fire: No, Pressure: No, Reactivity: No

SARA 313 COMPONENTS - See Section 2

International Regulations Inventory Status: not determined

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California Proposition 65: WARNING: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16 - OTHER INFORMATION

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 users'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.

NE = NOT ESTABLISHED / NA = NOT APPLICABLE

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