

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 49 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
<b>NFPA Rating:</b> Health-2; Flammability-0; Reactivity-1; Special- -			<b>HMIS Rating:</b> Health-2; Flammability-0; Reactivity-1; Personal Protection-B			
Manufacturer's Name: <b>Rite-Kem, INC.</b> Address: 703 Westmoreland Drive Tupelo, MS 38803-3454			<b>DOT Hazard Classification:</b> Non-Hazardous Identity (trade name as used on label): <b>D-GUARD 100-A</b>			
Date Prepared: 03/06/2000		Prepared By: ML		MSDS Number: D-GUARD 100-A Revision - 1		
Information Calls: (662)840-6060			NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA			
<b>EMERGENCY RESPONSE NUMBER: 1(800)424-9300</b>						
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
<b>SODIUM NITRITE</b>		7632-00-0	No	N/E	N/E	d
Percentages and non-hazardous ingredients are trade secrets						
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> 100°C			<b>Specific Gravity (H<sub>2</sub>O=1):</b> 1.18			
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): N/A			<b>Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):</b> Not known			
<b>Vapor Density (Air = 1):</b> Not known			<b>Evaporation Rate (water = 1):</b> 1.0			
<b>Solubility in Water:</b> Miscible			<b>Water Reactive:</b> No			
<b>Appearance and Odor:</b> Water based, clear, non-viscous liquid with no odor.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) N/A		<b>Auto Ignition Temperature</b> N/A		<b>Flammability Limits in Air by % in Volume:</b> % LEL: N/A % UEL: N/A		
<b>FLASH POINT AND METHOD USED (non-aerosols):</b> Non-combustible			<b>EXTINGUISHER MEDIA:</b> Non-combustible. Use media appropriate for surrounding fire.			
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> See below. Use NIOSH approved self-contained breathing apparatus.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Temperatures above 320°C will release oxides of nitrogen, which are toxic & are oxidizers & leave a caustic residue.						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR			
<b>Incompatibility (Mat. to avoid):</b> Contact with acids & reducing agents.			<b>Conditions to Avoid:</b> Excessive temperatures.			
<b>Hazardous Decomposition Products:</b> If heated to decomposition, toxic oxides of nitrogen & boron may result. Nitrogen oxides are oxidizers. Residue may be caustic.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> [ ] INHALATION [ X ] INGESTION [ ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS						
<b>ACUTE EFFECTS:</b> Alkaline solution is corrosive to all body tissues.						
<b>Inhalation:</b> Inhalation of spray or mist will cause respiratory tract irritation.						
<b>Eye Contact:</b> Will cause tissue damage.			<b>Skin Contact:</b> Prolonged contact will cause damage.			
<b>Ingestion:</b> Corrosive and prolonged contact will cause damage to esophagus.						
<b>CHRONIC EFFECTS:</b> None known.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> Strong irritant to existing cuts and abrasions on contact.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15 minutes. If irritation persists, get medical attention.						
<b>Skin Contact:</b> Wash with soap and water. If irritation persists or ulceration develops, get medical attention.						
<b>Inhalation:</b> Remove to fresh air. If irritation persists, get medical attention.						
<b>Ingestion:</b> DO NOT INDUCE VOMITING. Drink large quantity of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> None normally needed.						
<b>Protective Gloves:</b> Rubber, if desired.			<b>Eye Protection:</b> Goggles or face shield.			
<b>Ventilation Requirements:</b> Normal ventilation is adequate.						
<b>Other Protective Clothing &amp; Equipment:</b> Eyewash station and safety shower.						
<b>Hygienic Work Practices:</b> Do not eat, drink or smoke in work area. Wash hands after handling, before using restroom facilities.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> DO NOT drain into sewers or surface waters. Soak up in absorbent material & seal in properly labeled non-leaking containers for proper authorized hazardous waste disposal.						
<b>Waste Disposal Methods:</b> Dispose of in authorized waste disposal facility in accordance with all local, state and federal regulations.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Store in original container. Keep container sealed when not in use. Shelf life one year. Protect from extreme cold.						
<b>Other Precautions &amp;/or Special Hazards:</b> KEEP OUT OF REACH OF CHILDREN. Read and follow label directions.						

**SECTION 8 – TRANSPORTATION INFORMATION**

**US Department of Transportation**

Shipping Name: CLEANING COMPOUND  
Hazard Class: NON-HAZARDOUS  
Label: NONE

**IMDG:**

Proper Shipping Name: CLEANING COMPOUND  
Hazard Classification: NON-HAZARDOUS  
International Marine UN Number:  
Packing Group:  
Subsidiary Hazard:  
Subsidiary Packing Group:  
MFAG Table No. :  
EMS No. :  
Flash point (test method)  
IMDG Page Number:  
Label: NONE REQUIRED

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only