





**KANO LABORATORIES, INC.
SAFETY DATA SHEET**

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Kano Laboratories, Inc.
1000 E. Thompson Lane
Nashville, TN 37211
Information Phone Number: (615) 833-4101
Fax: (615) 833-5790 **Emergency:** 800-424-9300 (Chemtrec)
Website: www.kanolaboratories.com

HMIS Hazard Rating

	HEALTH	1
	FLAMMABILITY	0
	REACTIVITY	0
	PERSONAL PROTECTION	X

* Chronic health effect possible

Product Name: TAK
MSDS Date of Preparation: 12/15/2010
Product Use: Wetting Agent

SECTION 2: HAZARDS IDENTIFICATION

Liquid.

EMERGENCY OVERVIEW

WARNING! May cause moderate eye irritation. May cause skin and respiratory tract irritation. May cause gastrointestinal tract irritation with nausea, vomiting, and diarrhea. May be harmful if swallowed.

Potential Health Effects:

Eye: May cause mild to moderate eye irritation with redness, tearing, and stinging.

Skin: May cause moderate irritation with redness, rash, and swelling.

Inhalation: Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation and central nervous system depression. Symptoms may include coughing, headache and dizziness, as well as methemaglobenimia, a severe blood disorder.

Ingestion: May cause gastrointestinal irritation with nausea, diarrhea, and abdominal cramps. Ingestion of large amounts may cause methemoglobinemia, a blood disorder characterized by dizziness, drowsiness, headache, shortness of breath, bluish skin discoloration, rapid heart rate, and chocolate-brown colored blood. May be harmful if swallowed.

Chronic Hazards: None known.

Carcinogen Status: None of the components are listed as carcinogens by IARC, NTP or OSHA.

Medical Conditions Aggravated by Exposure: Acute and chronic kidney or liver disease, blood disorders, rhythm disorders of the heart, and disorders of the nervous system.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
Ethoxylated Nonylphenol	68412-54-4	1-10
Sodium Nitrate	7631-99-4	1-10
Water	7732-18-5	75-95

SECTION 4: FIRST AID MEASURES

Eye: Rinse thoroughly with water for at least 15 minutes, holding the eye lids open to be sure the material is washed out. Get immediate medical attention.

Skin: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop. Launder clothing before re-use.

Inhalation: Remove victim to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Keep the victim calm and warm. Never give anything by mouth to an unconscious or drowsy person. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Use any media that is appropriate for the surrounding fire.

Special Fire Fighting Procedures: Wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

Unusual Fire Hazards: Not flammable.

Hazardous Decomposition Products: Not applicable.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill: Evacuate the area. Wear appropriate protective clothing to prevent eye and skin contact including impervious gloves, safety goggles and respirator if needed (refer to Section 8 for specific recommendations). Cover with an inert absorbent material and collect into an appropriate container for disposal. Prevent release to waterways. Report spills and releases as required to appropriate authorities.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid breathing aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash exposed skin thoroughly with soap and water after use. Keep containers closed when not in use. Do not reuse containers. Follow all MSDS precautions in handling empty containers.

Storage: Store in a cool, dry location away from incompatible materials. Keep containers closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Ethoxylated Nonylphenol	None Established
Sodium Nitrate	None Established
Water	None Established

Ventilation: Use with adequate general or local exhaust ventilation to minimize concentrations below the occupational exposure limits.

Respiratory Protection: None normally required. If operation produces mists or aerosols, a NIOSH approved respirator with dust/mist cartridges may be used. For higher exposures, a supplied air respirator may be required. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.

Skin Protection Impervious gloves are recommended when needed to avoid skin contact.

Eye Protection: Safety glasses or chemical safety goggles recommended.

Other Protective Equipment: Impervious clothing as required to avoid skin contact and contamination of personal clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Liquid.

pH: N/A

Boiling Point: 212°C

Vapor Pressure: Not established

Percent Volatile by Volume: Not established

Flash Point: None

Autoignition Temperature: Not Determined

Specific Gravity: Not established

Melting Point: Not established

Water Solubility: Soluble

Evaporation Rate (ether=1): N/A

Flammable Limits: LEL: N/A

UEL: N/A

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage or use.

Incompatibility/Conditions to Avoid: Avoid strong oxidizing agents, strong reducing agents, organic materials, easily oxidizable materials.

Hazardous Decomposition Products: None expected.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological testing has not been performed on this product as a mixture.

Sodium Nitrate: Oral rat LD50: 1267 mg/kg.

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicity data available.

SECTION 13: DISPOSAL INFORMATION

Dispose in accordance with all local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated

DOT Hazard Class/Packing Group: Not Applicable

UN Number: Not Applicable

DOT Labels Required (49CFR172.101): None

DOT Marine Pollutants: This product does not contain marine pollutants as defined in 49CFR 171.8.

IATA Shipping Name: Not Regulated

IATA Hazard Class/Packing Group: Not Applicable

UN Number: Not Applicable

IATA Hazard Labels Required: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Many states have more stringent reporting requirements. Report spills and other releases as required under federal, state and local regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Acute Health

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Nitrate compounds (water dissociable)	1-10%
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Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

SECTION 16: OTHER INFORMATION

HMIS Ratings: Health – 1 Flammability - 0 Reactivity - 0

NFPA Ratings: Health – 1 Flammability - 0 Reactivity - 0

* Chronic health effect possible

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or the consequences of its use or misuse.