

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

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** TAK

**Product Use:** Adhesifier for Industrial Use

**Manufacturer:** Kano Laboratories, Inc.  
1000 E. Thompson Lane  
Nashville, TN 37211

**Emergency Phone Number:** Chemtrec 1 (800) 424-9300

**Manufacturer Phone Number:** (615) 833-4101

**Website:** www.kroil.com

**SDS Date of Preparation:** January 26, 2016

**SECTION 2: HAZARDS IDENTIFICATION**

**GHS / HAZCOM 2012 Classification:**

Health	Physical
Eye Irritation Category 2	Not hazardous

Label Elements:

**Warning!**



Causes serious eye irritation.

**Prevention:**

Wash thoroughly after handling.

Wear eye protection.

**Response:**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical attention.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS#	%
Sodium Nitrate	7631-99-4	1-5
Ethoxylated Nonylphenol, Branched	68412-54-4	1-<3

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Rinse thoroughly with water for several minutes, holding the eye lids open to be sure the material is washed out. Get medical attention if irritation persists.

**Skin Contact:** Wash contact area thoroughly with soap and water. Get medical attention if irritation persists. Remove contaminated clothing and launder clothing before re-use.

**Inhalation:** Remove victim to fresh air. If irritation develops or if breathing is difficult, get medical attention.

**Ingestion:** Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or drowsy person. Get medical attention.

**Most important symptoms and effects, acute and delayed:** Causes eye irritation. Prolonged skin contact may cause skin irritation. Inhalation of vapors or mist may cause upper respiratory tract irritation.

**Indication of immediate medical attention and special treatment, if needed:** No immediate medical attention required.

#### SECTION 5: FIRE FIGHTING MEASURES

**Suitable (and Unsuitable) Extinguishing Media:** Use any media that is appropriate for the surrounding fire.

**Specific Hazards Arising from the Chemical:** Not flammable. Combustion may produce carbon oxides.

**Special Protective Equipment and Precautions for Fire-fighters:** Wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, Protective equipment, and Emergency procedures:** Wear appropriate protective clothing to prevent eye and skin contact. Wash thoroughly after handling.

**Environmental precautions:** Avoid release to the environment. Report spills and releases as required to appropriate authorities.

**Methods and Materials for Containment and Cleaning up:** Cover with an inert absorbent material and collect into an appropriate container for disposal.

#### SECTION 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid breathing aerosols and mists. Use with adequate ventilation. Avoid contact with the eyes, skin and clothing. Wash 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.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, dry, well-ventilated location away from oxidizing agents and other incompatible materials. Keep containers closed.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Exposure Guidelines:

Chemical Name	Exposure Limits
Ethoxylated Nonylphenol, branched	None Established
Sodium Nitrate	None Established

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain concentrations below the occupational exposure limits.

##### Personal Protective Equipment:

**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 and good Industrial Hygiene practice.

**Hand Protection** Impervious gloves are recommended for prolonged skin contact. .

**Eye Protection:** Chemical safety goggles recommended.

**Skin Protection:** Wear impervious clothing as required to prevent skin contact and contamination of personal clothing.

**Hygiene measures:** Suitable eye wash should be available in the work area.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid	<b>Odor:</b>	Slight aromatic
<b>Odor Threshold:</b>	Not available	<b>pH:</b>	Not applicable
<b>Melting/Freezing Point:</b>	Not available	<b>Boiling Point/Range:</b>	212°F (100°C)
<b>Flash Point:</b>	Not flammable	<b>Evaporation Rate:</b>	Not available
<b>Flammability: (Solid, Gas)</b>	Not applicable	<b>Flammability Limits:</b>	LEL: Not applicable UEL: Not applicable
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	Not available	<b>Solubilities:</b>	Soluble in Water
<b>Partition Coefficient: (N-Octanol/Water)</b>	Not available	<b>Autoignition</b>	Not applicable
<b>Decomposition</b>	Not available	<b>Temperature:</b>	
<b>Temperature:</b>		<b>Viscosity:</b>	Not available

#### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** None known.

**Chemical Stability:** Stable under normal conditions of storage or use.

**Possibility of Hazardous Reactions:** None known.

**Conditions to avoid:** Avoid heat, sparks, flames and all other sources of ignition.

**Incompatible Materials:** Avoid strong oxidizing agents, strong reducing agents, acids and bases.

**Hazardous decomposition products:** Decomposition may produce oxides of carbon.

#### SECTION 11: TOXICOLOGICAL INFORMATION

**Potential Health Effects:**

**Eye:** May cause eye irritation with redness, tearing and stinging.

**Skin:** May cause mild irritation with redness.

**Inhalation:** Inhalation of vapors or mists may cause mucous membrane and upper respiratory tract irritation.

**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.

**Chronic Hazards:** None known.

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

**Acute toxicity:**

Acute Toxicity Estimate: Orla >2000 mg/kg

Sodium Nitrate: Oral rat LD50 3430 mg/kg, Dermal rat LD50 >5000 mg/kg

Ethoxylated Nonylphenol, branched: Oral rabbit LD50 7000 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:**

Sodium Nitrate: 96 hr LC50 Oncorhynchus mykiss >98.9 mg/L, 24 hr EC50 Daphnia magna 8609 mg/L  
Ethoxylated Nonylphenol, branched: 96 hr EC50 fish 1-10 mg/kg

**Persistence and Degradability:** Ethoxylated nonylphenol, branched is not readily biodegradable.

**Bioaccumulative Potential:** Ethoxylated nonylphenol, branched is not potentially bioaccumulate.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** None known.

**SECTION 13: DISPOSAL INFORMATION**

**Disposal instructions:** Dispose of product in accordance with all local, state/provincial and federal regulations.

**Contaminated packaging:** Offer rinsed packaging material to local recycling facilities.

**SECTION 14: TRANSPORT INFORMATION**

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
<b>DOT</b>		Not Regulated			
<b>DOT</b>		Not Regulated			
<b>IMDG</b>		Not Regulated			
<b>IATA</b>		Not Regulated			

**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) (Sodium Nitrate)	7631-99-4	1-5
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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.

<b>SECTION 16: OTHER INFORMATION</b>
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<b>HMIS Ratings:</b> Health - 2	Flammability - 0	Reactivity - 0
<b>NFPA Ratings:</b> Health - 2	Flammability - 0	Reactivity - 0

**SDS Revision History:** Converted to GHS format - all sections revised.

**Date of preparation:** January 26, 2016

**Date of last revision:** January 1, 2013

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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.