

**SAFETY DATA SHEET**

**PRODUCT NAME:** TK6™ NanoCoat

**Revision Date:** 06/08/15  
**Issue Date(MSDS):** 09/01/2011

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**1. IDENTIFICATION**

**Product Name:** TK6™ NanoCoat

**Recommended Use and Restrictions on Use:**  
Guard/Sealer/Coating for commercial/industrial/consumer applications

**Company Identification**

**MANUFACTURER:**

A.T.G. Labs, Inc.  
1407 GRAND AVENUE, COLUMBIA, MO 65203

**EXCLUSIVE SUPPLIER/DISTRIBUTOR:**

RICHARD JAMES SPECIALTY CHEMICALS CORPORATION  
24 RIDGE STREET  
HASTINGS-ON-HUDSON, NY 10706  
(914) 478-7500

**EMERGENCY PHONE:** 1-800-424-9300 (CHEMTREC)

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**2. HAZARDS IDENTIFICATION**

**GHS Hazard Classification:** Not Classified

**GHS Label Elements** Not Classified as dangerous

**Other hazards which do not result in classification**

May cause eye irritation.  
May cause skin irritation.  
Ingestion may cause gastrointestinal irritation.  
Inhalation may cause irritation to mucous membranes and respiratory tract.

**Other Classifications:**

HMIS Hazard Rating: Health 1 Fire 1 Reactivity 0  
NFPA Rating: Health 1 Chronic Effect Fire 1 Reactivity 0

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>MATERIAL</b>	<b>%</b>	<b>CAS No.</b>
Self-crosslinking nano copolymer	25 - 35	Trade Secret
Ammonia	< 1.0	7664-41-7
Surfactants, defoamers, plasticizers	< 5.0	Trade Secret
Mixed Glycol Ethers	~ 3.0	Trade Secret
Water	56 - 66	7732-18-5

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

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#### 4. FIRST AID MEASURES

**INGESTION:** Treat symptomatically. Get medical attention.

**SKIN CONTACT:** Wash with soap and water. Get medical attention if irritation develops.

**INHALATION:** Remove exposed person to fresh air if adverse effects are observed.

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, obtain medical attention, preferably from an ophthalmologist.

**NOTES TO PHYSICIAN:**  
Treat symptomatically.

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#### 5. FIRE-FIGHTING MEASURES

**FLAMMABLE LIMITS IN AIR, by volume:**

LOWER: Not applicable (low-volatility aqueous system)  
UPPER: Not applicable (low-volatility aqueous system)

**EXTINGUISHING MEDIA:**

Non-flammable (aqueous system): Use water spray, foam, or dry chemical. CO2 may be ineffective on large fires.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Wear full protective firegear including self-contained breathing apparatus operated in a positive pressure mode with full facepiece, coat, pants, gloves and boots.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Material will not burn until water has evaporated. Container may rupture on heating.

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#### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, EMERGENCY PROCEDURES:**

Wear personal protective equipment. See Section 8. Ventilate area if spilled in confined space or other poorly ventilated areas.

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN-UP**

Pick up free liquid for recycle or disposal. Residual liquid can be absorbed on inert material. Wash spill area with soap and water. Spilled liquid and dried film may be slippery. Use care to avoid falls.

**ENVIRONMENTAL PRECAUTIONS:**

Avoid release to the environment. Prevent entry into sewers or waterways. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Dispose of or incinerate in accordance with appropriate federal, state and local regulations.



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## 10. STABILITY and REACTIVITY

### STABILITY:

Material is normally stable at moderately elevated temperatures and pressures.

### CONDITIONS TO AVOID:

None known.

### INCOMPATIBILITY (materials to avoid):

Acids, bases, strong oxidizing agents.

### HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

Under combustion conditions, oxides of nitrogen will be formed. Irritating and toxic substances may be emitted upon combustion, burning or decomposition of dry solids. Nitrogen oxides. Acrylate monomers.

### HAZARDOUS POLYMERIZATION:

Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

### INFORMATION on TOXICOLOGICAL EFFECTS

#### ACUTE TOXICITY (EFFECTS OF SINGLE EXPOSURE)

SWALLOWING: May cause gastrointestinal irritation. Ammonia, although contained in minute concentration, must be noted as toxic by ingestion. LD50, Oral-rat: 10,000mg/Kg. based on data from components or similar materials.

SKIN ABSORPTION: Note expected to be a primary skin irritant.

INHALATION: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.

#### SKIN CONTACT:

Brief contact is not irritating. Prolonged contact, as from clothing wet with material, may cause irritation.

#### EYE CONTACT:

May cause eye irritation. Vapors may cause irritation.

#### CHRONIC TOXICITY (EFFECTS OF REPEATED OVEREXPOSURE):

Overexposure to vapors or mist may cause dizziness, headache, nausea and/or flu-like symptoms.

#### OTHER EFFECTS OF OVEREXPOSURE:

No data available to indicate product or components may be a skin or respiratory sensitizer.

#### MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

Pre-existing skin conditions may be aggravated by prolonged or repeated exposure. Persons with sensitive airways (e.g. asthmatics) may react to vapors.

#### SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD

None currently known.

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## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

No Data Available

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## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL:

This material is not a hazardous waste under RCRA Regulation 40CFR 261. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations.

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## 14. TRANSPORT INFORMATION

Not regulated: ICAO/IATA I and II; U.S. DOT (Bulk, Intermediate and Non-Bulk), Canada, Mexico  
Not applicable IMDG, IMDG EMS Fire and EMS Spill; U.S. DOT NAERG (Bulk, Intermediate and Non-Bulk)

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## 15. REGULATORY INFORMATION

### STATUS ON SUBSTANCE LISTS:

Concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations.

### FEDERAL EPA

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are: NONE

SARA 302, 304, 311 and 312: Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TRQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355.

Components present in this product at a level which could require reporting under the statute are: NONE

SARA 313: Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are: NONE

### STATE RIGHT-TO-KNOW

CALIFORNIA Proposition 65: This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

MASSACHUSETTS 105 CMR 670.000 Right-to-know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are: NONE

#### PENNSYLVANIA Right-to-Know, Hazardous Substance List

Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are: NONE

#### GLOBAL CHEMICAL INVENTORIES

USA: The ingredients of this product are on the TSCA inventory.

AUSTRALIA: All components are in compliance with chemical notification requirements in Australia

NEW ZEALAND: All components are in compliance with chemical notification requirements in New Zealand

CANADA: This material or products containing this material may be exported to Canada in limited quantities.

CHINA: All components of this product are listed on the Inventory of Existing Chemical Substances in China

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## 16. OTHER INFORMATION

The information contained in this Material Safety Data Sheet is offered in good faith as typical values and not as product specification(s); and is accurate and current to the best of Richard James Specialty Chemicals Corp.'s knowledge. No warranty, expressed or implied, is made. Information is offered solely for recipient's consideration, investigation and verification and should be reviewed by recipient in the context of intended product use. Buyer/user/recipient assumes the risk in use of the Material; and it is the responsibility of said entity(ies) to determine the suitability and completeness of information; to ensure proper use, and safety/health; and to determine that use is in accordance with applicable federal, state and local laws and regulations.