

### Section 1. Product and Company Identification

<b>Product Name</b>	Turk's Solution
<b>Product Number</b>	TRK
<b>Intended Use</b>	Laboratory reagent.
<b>Manufacturer</b>	ScyTek Laboratories, Inc.
<b>Address</b>	205 South 600 West Logan, Utah 84321 U.S.A.
<b>Phone Number</b>	800-729-8350
<b>Fax Number</b>	435-755-0015
<b>Website</b>	scytek.com

### Section 2. Hazards Identification

<b>HMIS (U.S.A.)</b>	HEALTH	1
	FLAMMABILITY	0
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	B
<b>OSHA</b>	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	
<b>Warning!</b>	EN: Irritant. DE: Reizend. FR: Irritant. IT: Irritante. ES: Irritante.  EN: Irritating to eyes and skin. DE: Reizt die Augen und die Haut. FR: Irritant pour les yeux et la peau. IT: Irritante per gli occhi e la pelle. ES: Irrita los ojos y la piel.	
<b>Classification</b>	Xi, R36/38	

### Section 3. Composition and Information on Ingredients

Name	CAS#	EC#	%
Water	7732-18-5	231-791-2	≤98
Acetic Acid	64-19-7	200-580-7	≤2
Crystal Violet	548-62-9	208-953-6	≤0.05

\*May contain additional non-hazardous proprietary ingredients.

\*May contain additional active ingredients at concentrations <0.1%/w/v.

### Section 4. First Aid Measures

<b>Eye Contact:</b> Immediately flush eyes with copious amounts of water and get immediate medical attention.
<b>Skin Contact:</b> Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.
<b>Inhalation:</b> Remove person to fresh air. Get medical attention if symptoms worsen.
<b>Ingestion:</b> Get immediate medical attention.

# Material Safety Data Sheet

## TRK-MSDS

Rev. Date: May 15, 2012

Revision: 1

Page 2 of 4

P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - [www.scytek.com](http://www.scytek.com)

### Section 5. Fire Fighting Measures

<b>Extinguishing Media</b>	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.
<b>Unusual Fire and Explosion Hazards</b>	No unusual fire or explosion hazards expected.
<b>General Information</b>	As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)

### Section 6. Accidental Release Measures

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

### Section 7. Handling and Storage

Avoid contact with skin and eyes.  
Wash thoroughly after handling.  
Store in well ventilated area.  
Keep container tightly closed.  
Avoid breathing vapor.

### Section 8. Exposure Controls / Personal Protection

<b>Exposure Limits</b>	N/A
<b>Personal Protection</b>	Chemical resistant gloves are required. Safety glasses or goggles are required. Avoid breathing vapor.
<b>Engineering Controls</b>	Provide mechanical exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limits.

### Section 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid.
<b>Color</b>	Dark purple.
<b>Odor</b>	Slight vinegar odor.
<b>pH</b>	N/A
<b>Molecular Weight</b>	N/A
<b>Vapor Pressure</b>	N/A
<b>Vapor Density</b>	N/A
<b>Evaporation Rate</b>	N/A
<b>Viscosity</b>	N/A
<b>Boiling Point</b>	N/A
<b>Freezing Point</b>	N/A
<b>Melting Point</b>	N/A
<b>Solubility</b>	N/A
<b>Solubility in Water</b>	Soluble
<b>Flash Point</b>	N/A
<b>Explosion Limits (%)</b>	N/A

### Section 10. Stability and Reactivity

<b>Chemical Stability</b>	Stable under normal temperatures and pressures.
<b>Conditions to Avoid</b>	Fire, static electricity, direct sunlight.
<b>Incompatible Materials</b>	Reactive with strong oxidizing agents, reducing agents, metals, acids, and alkalis.
<b>Hazardous Decomposition Materials</b>	Carbon Monoxide. Carbon Dioxide. May release irritating or toxic fumes under fire conditions.
<b>Hazardous Polymerization</b>	Not reported.

### Section 11. Toxicological Information

<b>Routes of Entry</b>	Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Acute Toxicity</b>	<b>Eye Contact:</b> May cause irritation and redness. <b>Skin Contact:</b> May irritate skin. <b>Ingestion:</b> May irritate gastrointestinal system. <b>Inhalation:</b> May irritate respiratory tract.
<b>Chronic toxicity</b>	<b>Eye Contact:</b> Unknown. <b>Skin Contact:</b> Unknown. <b>Ingestion:</b> Unknown. <b>Inhalation:</b> Unknown.
<b>Toxicity to Animals</b>	<b>Acetic Acid:</b> LD50 Oral, Rat, 3310 mg/kg. LD50 Dermal, Rabbit, 1060 mg/kg.
<b>Special Remarks</b>	None

### Section 12. Ecological Information

<b>Ecotoxicity</b>	No relevant studies identified.
<b>Mobility</b>	No relevant studies identified.
<b>Bio-accumulation</b>	No relevant studies identified.
<b>Persistence/Degradability</b>	No relevant studies identified.
<b>Additional Remarks</b>	None.


### Section 13. Disposal Considerations

Observe all federal, state and local environmental regulations.

### Section 14. Transport Information

<b>DOT CRF 172.101 Data</b>	Not a DOT controlled material (United States).
<b>UN Shipping Name</b>	N/A
<b>UN Number</b>	N/A
<b>UN Class</b>	N/A
<b>UN Packing Group</b>	N/A
<b>Special Provisions</b>	N/A
<b>Canada TDG</b>	N/A

**Section 15. Regulatory Information**

<b>Federal and State Regulations</b>	<b>Listed on Right to Know:</b> Acetic Acid. California Massachusetts Minnesota New Jersey Pennsylvania Rhode Island
<b>Other Regulations</b>	Acetic Acid is listed on Canada's Ingredient Disclosure List.
<b>EU Hazard Symbol and Indication of Danger</b>	 + Xi
<b>R phrases</b>	<b>R36/38</b> EN: Irritating to eyes and skin. DE: Reizt die Augen und die Haut. FR: Irritant pour les yeux et la peau. IT: Irritante per gli occhi e la pelle. ES: Irrita los ojos y la piel.
<b>S phrases</b>	<b>S2</b> EN: Keep out of the reach of children. DE: Darf nicht in die Hände von Kindern gelangen. FR: Conserver hors de la portee des enfants. IT: Conservare fuori della portata dei bambini. ES: Manténgase fuera del alcance de los niños.  <b>S24/25</b> EN: Avoid contact with skin and eyes. DE: Berührung mit den Augen und der Haut vermeiden. FR: Éviter le contact avec la peau et les yeux. IT: Evitare il contatto con gli occhi e con la pelle. ES: Evítese el contacto con los ojos y la piel.  <b>S37/39</b> EN: Wear suitable gloves and eye/face protection. DE: Bei der Arbeit geeignete Schutzhandschuhe und Schutzbrille/Gesichtsschutz tragen. FR: Porter des gants appropriés et un appareil de protection des yeux/du visage. IT: Usare guanti adatti e proteggersi gli occhi/la faccia. ES: Usense guantes adecuados y protección para los ojos/la cara.

**Section 16. Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. ScyTek Laboratories shall not be held liable for any damage resulting from handling or from contact with the above product.