





### Section 1. Identification of the Substance/Mixture and the Company

<b>1.1 Product Identifier</b>	Product Name: Potassium Permanganate Solution (5%) Product Number: PPG	
<b>1.2 Intended use</b>	EN: Laboratory reagent. For professional use only. DA: Laboratoriereagens. Kun til professionelt brug. DE: Laboratoriumreagens. Alleen voor professioneel gebruik. EL: Αντιδραστήριο εργαστηρίου. Για επαγγελματική χρήση μόνο. ES: Reactivo de laboratorio. Sólo para uso profesional. FR: Réactif de laboratoire. Pour un usage professionnel uniquement. IT: Laboratorio di reagente. Solo per uso professionale. NL: Laboratoriumreagens. Alleen voor professioneel gebruik. PT: Reagente de laboratório. Para uso profissional. SV: Laboratoriereagens. Endast för yrkesmässig användning.	
<b>1.3 Details of the supplier of the safety data sheet</b>	<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>e-mail</b>	msds@scytek.com
	<b>Website</b>	scytek.com

### Section 2. Hazards Identification

<b>2.1 GHS Classification</b>	Skin irritation (Category 2) – H315 Serious eye irritation (Category 2A) – H319 Oxidizing Liquids (Category 2) – H272 Acute aquatic toxicity (Category 2) – H401 Chronic aquatic toxicity (Category 2) – H411	
<b>Classification: Directive 1999/45/EC</b>		<b>Xi R8, R22, R36/38, R50/53; S2, S36/37/39, S60, S61</b> EN: Irritant DA: Lokalirriterende DE: Reizend EL: Ερεθιστικό ES: Irritante FR: Irritant IT: Irritante NL: Irriterend PT: Irritante SV: Irriterande

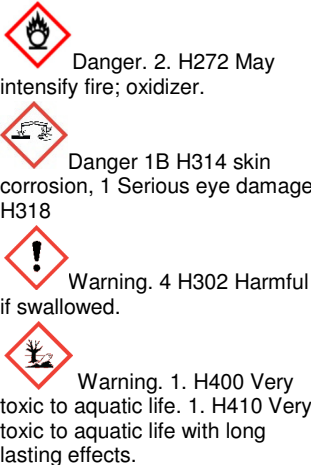
	 <p><b>N:</b>                  EN: Dangerous for the environment                  DA: Miljøfarlig                  DE: Umweltgefährlich                  EL: Επικίνδυνο για το περιβάλλον                  ES: Peligroso para el medio ambiente                  FR: Dangereux pour l'environnement                  IT: Pericoloso per l'ambiente                  NL: Milieugevaarlijk                  PT: Perigoso para o ambiente                  SV: Miljöfarlig</p> <p>For full text of R- &amp; S- phrases: see Section 15.</p>								
<b>2.2 Label Elements</b>	<p>Pictogram(s):</p>  <p>Signal word: Warning</p> <p>Hazard statement(s):                  H315 – Causes skin irritation                  H319 – Causes serious eye irritation                  H272 – May intensify fire; oxidizer                  H411 – Toxic to aquatic life with long-lasting effects</p> <p>Precautionary statement(s):                  P302+ P352 - IF ON SKIN: Wash with plenty of soap and water                  P305 + P351 - IF IN EYES: Rinse cautiously with water for several minutes.                  P337 + P315 – If eye irritation persists get immediate medical advice/attention.                  P273 – Avoid release to the environment</p>								
<b>NFPA Scale: 0-4</b>									
<b>HMIS (U.S.A.) Scale: 0-4</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #e6f2ff;">HEALTH</td> <td style="text-align: center;">2</td> </tr> <tr> <td style="background-color: #ffe6e6;">FLAMMABILITY</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="background-color: #ffffe6;">PHYSICAL HAZARD</td> <td style="text-align: center;">0</td> </tr> <tr> <td>PERSONAL PROTECTION</td> <td style="text-align: center;">C</td> </tr> </table>	HEALTH	2	FLAMMABILITY	0	PHYSICAL HAZARD	0	PERSONAL PROTECTION	C
HEALTH	2								
FLAMMABILITY	0								
PHYSICAL HAZARD	0								
PERSONAL PROTECTION	C								
<b>2.3 Other Hazards</b>	<p><b>PBT:</b> This mixture does not contain any substances that are assessed to be a PBT.  <b>vPvB:</b> This mixture does not contain any substances that are assessed to be a vPvB.</p>								

**Section 3. Composition and Information on Ingredients**

**3.2 Chemical Description:** Mixture

\*May contain additional non-hazardous proprietary ingredients.

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

Hazardous Ingredients:	CAS#	EC#	GHS Symbols	%
Potassium Permanganate	7722-64-7	231-760-3	 <p>Danger. 2. H272 May intensify fire; oxidizer.                      Danger 1B H314 skin corrosion, 1 Serious eye damage H318                      Warning. 4 H302 Harmful if swallowed.                      Warning. 1. H400 Very toxic to aquatic life. 1. H410 Very toxic to aquatic life with long lasting effects.</p>	≤ 5

**Section 4. First Aid Measures**

**4.1 Description of first aid measures**

**Eye Contact:** Check for and remove contact lenses. Immediately flush eyes with copious amounts of water. Get immediate medical attention if irritation persists.

**Skin Contact:** Remove contaminated clothing and wash contact area with mild soap and copious amounts of water. Get medical attention if irritation develops.

**Inhalation:** If inhaled, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms worsen.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get immediate medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**

See section 2.2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

**Section 5. Fire Fighting Measures**

<b>5.1 Extinguishing Media</b>	Extinguish fire using water spray, carbon dioxide, chemical foam, or dry chemical.
<b>5.2 Special hazards arising from the substance or mixture</b>	No unusual fire or explosion hazards expected.
<b>5.3 Advice for firefighters</b>	As with any fire, wear personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.)

## Section 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus.

### 6.2 Environmental precautions

Keep material away from heat, flame, ignition sources, and reactive materials. Don't allow product to enter drain.

### 6.3 Methods and materials for containment and cleaning up

Wipe up or absorb spill using inert absorbent and place in a suitable waste container for disposal.

## Section 7. Handling and Storage

### 7.1 Precautions for safe handling.

Avoid contact with skin and eyes.

Wash thoroughly after handling.

Avoid breathing vapor.

### 7.2 Conditions for safe storage, including any incompatibilities.

Store in well ventilated area.

Keep container tightly closed.

Store at 15-30°C.

### 7.3 Specific end use(s).

See section 1.2

## Section 8. Exposure Controls / Personal Protection

8.1 Control parameters	<b>Exposure Limits:</b> N/A
8.2 Exposure controls	<b>Personal Protective Equipment (PPE):</b> <b>Eye/Face protection.</b> Safety glasses or goggles are required. <b>Skin protection.</b> Protective clothing is required. <b>Hand protection.</b> Chemical resistant gloves are required. Glove material must be resistant to the components of this product. Consult glove manufacturer for specific recommendations of appropriate material and thickness of glove. <b>Respiratory protection.</b> Avoid breathing vapor. <b>Environmental exposure controls.</b> Avoid releasing large quantities into the environment. No additional information.
Engineering Controls	Working area should be adequately large and well ventilated to prevent concentration of vapors. 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

Physical State	Liquid
Color	Dark Purple.
Odor	Odorless
Odor Threshold	Unknown

<b>pH</b>	Unknown
<b>Melting Point/ Freezing Point</b>	Unknown
<b>Initial Boiling Point</b>	Unknown
<b>Flash Point</b>	Unknown
<b>Evaporation Rate</b>	Unknown
<b>Flammability (solid, gas)</b>	Unknown
<b>Upper/Lower Flammability Limits</b>	Unknown
<b>Vapor Pressure</b>	Unknown
<b>Vapor Density</b>	Unknown
<b>Relative Density</b>	Unknown
<b>Solubility(ies)</b>	Water
<b>Partition Coefficient: n-octanol/water</b>	Unknown
<b>Auto-ignition Temperature</b>	Unknown
<b>Decomposition Temperature</b>	Unknown
<b>Viscosity</b>	Unknown
<b>Explosive Properties</b>	Not explosive.
<b>Oxidizing Properties</b>	Oxidizing liquid.

### Section 10. Stability and Reactivity

<b>10.1 Reactivity</b>	No relevant data available.
<b>10.2 Chemical Stability</b>	Stable under normal temperatures and pressures.
<b>10.3 Possibility of Hazardous Reactions</b>	No hazardous reactions known.
<b>10.4 Conditions to Avoid</b>	Fire, static electricity, direct sunlight.
<b>10.5 Incompatible Materials</b>	Strong reducing agents, Peroxides, Zinc, Copper
<b>10.6 Hazardous Decomposition Materials</b>	Carbon dioxide. Carbon monoxide. Oxides of Potassium. Oxides of Manganese.

### Section 11. Toxicological Information

<b>11.1 Information on Toxicological Effects.</b>	<p><b>Acute Toxicity.</b> No relevant data available</p> <p><b>Skin Corrosion/Irritation.</b> Irritating to skin and mucous membranes.</p> <p><b>Serious Eye Damage/Irritation.</b> Seriously irritating to the eye.</p> <p><b>Respiratory or skin sensitization.</b> No relevant data available.</p> <p><b>Germ Cell Mutagenicity.</b> No relevant data available.</p>
<b>Carcinogenicity.</b>	<p><b>International Agency for Research on Cancer (IARC).</b> None of the components are listed.</p> <p><b>National Toxicology Program (NTP).</b> None of the components are listed.</p>

### Section 12. Ecological Information

<b>12.1 Toxicity</b>	<b>Fish:</b> No relevant studies identified. <b>Crustacea:</b> No relevant studies identified. <b>Algae/Aquatic Plants:</b> No relevant studies identified. <b>Other Organisms:</b> No relevant studies identified.
<b>12.2 Persistence and Degradability.</b>	No relevant studies identified.
<b>12.3 Bioaccumulative Potential.</b>	No relevant studies identified.
<b>12.4 Mobility in Soil.</b>	Miscible in water. May spread in water systems. This component is non-volatile.
<b>Additional Remarks</b>	None.
<b>12.5 Results of PBT and vPvB Assessment.</b>	<b>PBT:</b> This mixture does not contain any substances that are assessed to be a PBT. <b>vPvB:</b> This mixture does not contain any substances that are assessed to be a vPvB.

### Section 13. Disposal Considerations

<b>13.1 Waste Disposal Methods.</b>	Sewage disposal is discouraged. Waste should not be disposed of by release to sewers. Dispose waste in accordance with federal, state and local environmental control regulations.
<b>Product/Packaging Disposal.</b>	Final decisions on the appropriate waste management method must be in line with local, regional and national regulations.
<b>Other Disposal Recommendations.</b>	No relevant data available.

### Section 14. Transport Information

<b>14.1 UN Number DOT, IATA,IMDG, ADR</b>	DOT: Not a DOT controlled product ADR/RID: 3082 IMDG: 3082 IATA: 3082
<b>14.2 UN Proper Shipping Name DOT, IATA,IMDG, ADR</b>	ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Potassium permanganate) IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Potassium permanganate) IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Potassium permanganate)
<b>14.3 Transport Hazard Class(es)</b>	IATA: 9 IMDG: 9 ADR/RID: 9
<b>14.4 Packing Group DOT, IATA,IMDG, ADR</b>	ADR/RID: III IMDG: III IATA: III
<b>14.5 Environmental Hazards</b>	ADR/RID: Yes IMDG Marine pollutant: Yes IATA: Yes
<b>14.6 Special Precautions for User</b>	Not applicable.

### Section 15. Regulatory Information

#### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.

<b>Extremely Hazardous Substances; Section 355</b>	None of the components in this mixture are listed.
<b>Toxic Substances Control Act; TSCA</b>	All of the components in this mixture are listed.
<b>California Proposition 65</b>	None of the components in this mixture are listed.
<b>Right To Know Components</b>	Potassium Permanganate, CAS# 7722-64-7. California Massachusetts Minnesota New Jersey Pennsylvania
<b>15.2 Chemical Safety Assessment</b>	No Chemical Safety Assessment has been carried out for this substance/mixture by ScyTek Laboratories, Inc.
<b>R phrases</b>	<p><b>R8</b> EN: Contact with combustible material may cause fire. DA: Brandfarlig ved kontakt med brandbare stoffer. DE: Feuergefahr bei Berührung mit brennbaren Stoffen. EL: Η επαφή με καύσιμο υλικό μπορεί να προκαλέσει πυρκαγιά. ES: Peligro de fuego en contacto con materias combustibles. FR: Favorise l'inflammation des matières combustibles. IT: Può provocare l'accensione di materie combustibili. NL: Bevoordert de ontbranding van brandbare stoffen. PT: Favorece a inflamação de matérias combustíveis. SV: Kontakt med brännbart material kan orsaka brand.</p> <p><b>R22</b> EN: Harmful if swallowed. DA: Farlig ved indtagelse. DE: Gesundheitsschädlich beim Verschlucken. EL: Επιβλαβές σε περίπτωση καταπόσεως. ES: Nocivo por ingestión. FR: Nocif en cas d'ingestion. IT: Nocivo per ingestione. NL: Schadelijk bij opname door de mond. PT: Nocivo por ingestão. SV: Farligt vid förtäring.</p> <p><b>R36/38</b> EN: Irritating to eyes and skin. DA: Irriterer øjnene og huden DE: Reizt die Augen und die Haut. EL: Ερεθίζει τα μάτια και το δέρμα. ES: Irrita los ojos y la piel. FR: Irritant pour les yeux et la peau. IT: Irritante per gli occhi e la pelle. NL: Irriterend voor de ogen en de huid. PT: Irritante para os olhos e pele. SV: Irriterar ögonen och huden.</p> <p><b>R50/53</b> EN: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. DA: Meget giftig for organismer, der lever i vand; kan forårsage uønskede langtidsvirkninger i vandmiljøet.</p>

	<p>DE: Sehr giftig für Wasserorganismen, kann in Gewässern längerfristig schädliche Wirkungen haben.</p> <p>EL: Πολύ τοξικό για τους υδρόβιους οργανισμούς, μπορεί να προκαλέσει μακροχρόνιες δυσμενείς επιπτώσεις στο υδάτινο περιβάλλον.</p> <p>ES: Muy tóxico para los organismos acuáticos, puede provocar a largo plazo efectos negativos en el medio ambiente acuático.</p> <p>FR: Très toxique pour les organismes aquatiques, peut entraîner des effets néfastes a long terme pour l'environnement aquatique.</p> <p>IT: Altamente tossico per gli organismi acquatici, può provocare a lungo termine effetti negativi per l'ambiente acquatico.</p> <p>NL: Zeer vergiftig voor in het water levende organismen; kan in het aquatisch milieu op lange termijn schadelijke effecten veroorzaken.</p> <p>PT: Muito tóxico para os organismos aquáticos, podendo causar efeitos nefastos a longo prazo no ambiente aquático.</p> <p>SV: Mycket giftigt för vattenlevande organismer, kan orsaka skadliga långtidseffekter i vattenmiljön.</p>
<p><b>S phrases</b></p>	<p><b>S2</b></p> <p>EN: Keep out of the reach of children.                  DA: Opbevares utilgængeligt for børn.                  DE: Darf nicht in die Hände von Kindern gelangen.                  EL: Μακριά από παιδιά.                  ES: Manténgase fuera del alcance de los niños.                  FR: Conserver hors de la portee des enfants.                  IT: Conservare fuori della portata dei bambini.                  NL: Buiten bereik van kinderen bewaren.                  PT: Manter fora do alcance das crianças.                  SV: Förvaras oåtkomligt för barn.</p> <p><b>S36/37/39</b></p> <p>EN: Wear suitable protective clothing, gloves and eye/face protection.                  DA: Brug særligt arbejdstøj, egnede beskyttelsehandsker og -briller/ansigtsskærm.                  DE: Bei der Arbeit geeignete Schutzkleidung, Schutzhandschuhe und Schutzbrille/Gesichtsschutz tragen.                  EL: Φοράτε κατάλληλη προστατευτική ενδυμασία, γάντια και συσκευή προστασίας ματιών/προσώπου                  ES: Úsense indumentaria y guantes adecuados y protección para los ojos/la cara.                  FR: Porter un vêtement de protection appropriée, des gants et un appareil de protection des yeux/du visage.                  IT: Usare indumenti protettivi e guanti adatti e proteggersi gli occhi/la faccia.                  NL: Draag geschikte beschermende kleding, handschoenen en een beschermingsmiddel voor de ogen/het gezicht.                  PT: Usar vestuário de protecção, luvas e equipamento protector para os olhos /face adequados.                  SV: Använd lämpliga skyddskläder, skyddshandskar samt skyddsglasögon eller ansiktsskydd</p> <p><b>S60</b></p> <p>EN: This material and its container must be disposed of as hazardous waste.                  DA: Undgå udledning til miljøet. Se særlig vejledning/leverandørbrugsanvisning.                  DE: Dieses Produkt und sein Behälter sind als gefährlicher Abfall zu entsorgen.                  EL: Αποφύγετε την ελευθέρωσή του στο περιβάλλον. Αναφερθείτε σε ειδικές οδηγίες/εΛτίο δεδομένων ασφαλείας.                  ES: Elimínense el producto y su recipiente como residuos peligrosos.                  FR: Eliminer le produit et son recipient comme un dechet dangereux.                  IT: Questo materiale e il suo contenitore devono essere smaltiti come rifiuti pericolosi.                  NL: Deze stof en de verpakking als gevaarlijk afval afvoeren.                  PT: Este produto e o seu recipiente devem ser eliminados como resíduos perigosos.                  SV: Detta material och dess behållare skall tas om hand som farligt avfall.</p> <p><b>S61</b></p> <p>EN: Avoid release to the environment. Refer to special instructions/Safety data sheets.                  DA: Undgå udledning til miljøet. Se særlig vejledning/leverandørbrugsanvisning.                  DE: Freisetzung in die Umwelt vermeiden. Besondere Anweisungen einholen/Sicherheitsdatenblatt zu Rate ziehen.</p>



Safety Data Sheet  
**PPG-SDS**

Rev. Date: April 28, 2015

Revision: 3

Page 9 of 9

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	<p>EL: Αποφύγετε την ελευθέρωσή του στο περιβάλλον. Αναφερθείτε σε ειδικές οδηγίες/.ελτίο δεδομένων ασφαλείας.</p> <p>ES: Evítese su liberación al medio ambiente. Recábense instrucciones específicas de la ficha de datos de seguridad.</p> <p>FR: Éviter le rejet dans l'environnement. Consulter les instructions spéciales/la fiche de données de sécurité.</p> <p>IT: Non disperdere nell'ambiente. Riferirsi alle istruzioni speciali/ schede informative in materia di sicurezza.</p> <p>NL: Voorkom lozing in het milieu. Vraag om speciale instructies/veiligheidskaart.</p> <p>PT: Evitar a libertação para o ambiente. Obter instruções específicas/fichas de segurança.</p> <p>SV: Undvik utsläpp till miljön. Läs särskilda instruktioner/varuinformationsblad.</p>
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**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.