

Camco Quik Stain®

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1. Product and Company Identification

Product Code: 210

Product Name: Camco Quik Stain®

Cambridge Diagnostic Products, Inc. **Company Name: Phone Number:**

6880 NW 17th Avenue 011 (954)971-4040

Fort Lauderdale, FL 33309

Web site address: www.ecamco.com **Email address:** techinfo@ecamco.com

INFOTRAC USA & Canada #107913 1 (800)535-5053 **Emergency Contact:**

International #107913 1 (352)323-3500

Information: Collect calls accepted

NON INDUSTRIAL USE - Typically sold in small quantity for laboratory use, 1 gallon or Intended Use:

less.

2. Hazards Identification

Flammable Liquids, Category 2 Acute Toxicity: Oral, Category 3 Acute Toxicity: Skin, Category 3 Acute Toxicity: Inhalation, Category 3

Specific Target Organ Toxicity (single exposure), Category 1







GHS Signal Word: Danger

GHS Hazard Phrases: H225 - Highly flammable liquid and vapor.

H301+311 331 - Toxic if swallowed, in contact with skin or if inhaled.

H370 - Causes damage to organs Central Nervous System, Eye, Kidney, Liver, Optic

Nerve, Skin and Respiratory System.

GHS Precaution Phrases: P233 - Keep container tightly closed.

> P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P243 - Take precautionary measures against static discharge.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area.

P260 - Do not breathe fume/gas/mist/vapors/spray .

GHS Response Phrases: P370+378 - In case of fire, use dry and dry checmical resistant foam to extinguish.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated

clothing. Rinse skin with water/shower.

P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P330 - Rinse mouth.

P302+352 - IF ON SKIN: Wash with plenty of soap and water.

P361+364 - Take off immediately all contaminated clothing and wash it before reuse. P309+311 - Call a POISON CENTER or doctor/physician if exposed or you feel unwell. P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position

comfortable for breathing.

P322 - Specific measures see warnings and precautions on this product label.

GHS Storage and Disposal

P403+235 - Store in cool/well-ventilated place.

P404 - Store in a closed container.

Phrases:

P501 - Dispose of contents/container to an appropriatewaste disposal plant.



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P403+233 - Store container tightly closed in well-ventilated place.

Potential Health Effects (Acute and Chronic):

Chronic: Prolonged or repeated skin contact may cause dermatitis. Chronic exposure may cause effects similar to those of acute exposure. Methanol is only very slowly eliminated from the body. Because of this slow elimination, methanol should be regarded as a cumulative poison. Though a single exposure may cause no effect, daily exposures may result in the accumulation of a harmful amount. Methanol has produced fetotoxicity in rats and teratogenicity in mice exposed by inhalation to high concentrations that did not produce significant maternal toxicity.

Inhalation:

Methanol is toxic and can very readily form extremely high vapor concentrations at room temperature. Inhalation is the most common route of occupational exposure. At first, methanol causes CNS depression with nausea, headache, vomiting, dizziness and incoordination. A time period with no obvious symptoms follows (typically 8-24 hrs). This latent period is followed by metabolic acidosis and severe visual effects which may include reduced reactivity and/or increased sensitivity to light, blurred, double and/or snowy vision, and blindness. Depending on the severity of exposure and the promptness of treatment, survivors may recover completely or may have permanent blindness, vision

disturbances and/or nervous system effects.

Skin Contact: Causes moderate skin irritation. May be absorbed through the skin in harmful amounts.

> Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. Methanol can be absorbed through the skin, producing systemic effects that include

visual disturbances.

Eye Contact: May cause painful sensitization to light. Methanol is a mild to moderate eye irritant.

Inhalation, ingestion or skin absorption of methanol can cause significant disturbances in

vision, including blindness.

May be fatal or cause blindness if swallowed. Aspiration hazard. Cannot be made Ingestion:

> non-poisonous. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due

to respiratory failure. May cause cardiopulmonary system effects.

3. Composition/Information on Ingredients

CAS# **Hazardous Components (Chemical Name)** Concentration RTECS# 67-56-1 ~90.0 % PC1400000 Methanol



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4. First Aid Measures

Emergency and First Aid Procedures:

General Advice: Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data

sheet to the doctor in attendance. Move out of dangerous area.

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is In Case of Inhalation:

difficult, give oxygen. Get medical aid.

Wash skin with soap and water. Flush skin with plenty of water for at least 15 minutes In Case of Skin Contact:

while removing contaminated clothing and shoes. Get medical aid immediately. Wash

clothing before reuse. Wash contaminated clothing before reuse.

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get In Case of Eye Contact:

medical aid.

In Case of Ingestion: Potential for aspiration if swallowed. Get medical aid immediately. Do not induce vomiting

unless directed to do so by medical personnel. Never give anything by mouth to an

unconscious person. If vomiting occurs naturally, have victim lean forward.

Effects may be delayed. Antidote: Ethanol may inhibit methanol metabolism. Note to Physician:

5. Fire Fighting Measures

Flash Pt: 12.00 C (53.6 F)

LEL: 6.7 **Explosive Limits:** UEL: 36

Autoignition Pt: 455.00 C (851.0 F)

Suitable Extinguishing Media: For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

Water may be ineffective. For large fires, use water spray, fog, or alcohol-resistant foam.

Do NOT use straight streams of water.

As in any fire, wear a self-contained breathing apparatus in pressure-demand, **Fire Fighting Instructions:**

> MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Water may be ineffective. Material is lighter than water and a fire may be spread by the use of water. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the

ground and collect in low or confined areas.

Flammable Properties and

Hazards:

OSHA/NFPA Class IB Flammable Liquid.

No data available.

6. Accidental Release Measures

Steps To Be Taken In Case **Material Is Released Or**

Spilled:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Use water spray to disperse the gas/vapor. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as sawdust. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors. Water

spray may reduce vapor but may not prevent ignition in closed spaces.

7. Handling and Storage

Precautions To Be Taken in Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Do not ingest or inhale. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Use only with adequate ventilation. Keep away from heat, sparks and flame. Avoid use in confined spaces. Avoid contact with eyes, skin, and clothing.

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Precautions To Be Taken in Storing:

Keep away from heat, sparks and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

Keep containers tightly closed.

8. Exposure Controls/Personal Protection

CAS # Partial Chemical Name OSHA TWA ACGIH TWA Other Limits

67-56-1 Methanol PEL: 200 ppm TLV: 200 ppm No data.

STEL: 250 ppm

Respiratory Equipment

(Specify Type):

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Eye Protection: Wear chemical splash goggles. Eye wash station in work area.

Protective Gloves: Handle with gloves. Use appropriate gloves approved for laboratory and chemical

handling. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory

practices. Wash with soap and water then dry hands.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Wear impervious, flame

retardant, antistatic protective clothing, including boots, gloves, lab coat, apron or

coveralls, as appropriate, to prevent skin contact.

Engineering Controls

(Ventilation etc.):

Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general

or local exhaust ventilation to keep airborne concentrations below the permissible

exposure limits.

Work/Hygienic/Maintenance

Practices:

Handle in accordance with good industrial hygiene and safety practice. Wash hands

before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Alcohol-like.

Dark blue, low viscosity liquid.

 Melting Point:
 -98.00 C (-144.4 F)

 Boiling Point:
 64.70 C (148.5 F)

 Flash Pt:
 12.00 C (53.6 F)

Evaporation Rate: 5.9 **Flammability (solid, gas):** None.

Explosive Limits: LEL: 6.7 UEL: 36 **Vapor Pressure (vs. Air or** 130.3 hPa at 20.0 C (68.0 F)

mm Hg):

Vapor Density (vs. Air = 1): 1.1

Specific Gravity (Water = 1): 0.791 at 25.0 C (77.0 F)

Density: 0.7910 G/CM3
Solubility in Water: Completely

Solubility Notes: Completely miscible in water in any proportion.



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Percent Volatile: No data.

455.00 C (851.0 F) **Autoignition Pt:**

Decomposition Temperature: NA

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Vapors may form explosive mixture with air. **Conditions To Avoid -**

Instability: High temperatures, ignition sources, confined spaces.

Avoid:

Incompatibility - Materials To Oxidizing agents, Reducing agents, acids. Alkali metals, Potassium, Sodium, metals as

powders (e.g. hafnium, raney nickel), Acid anhydrides, Acid chlorides, powdered

aluminum, powdered magnesium.

Hazardous Decomposition or Hazardous decomposition products formed under fire conditions - Carbon oxides.

Byproducts:

Possibility of Hazardous

Hazardous Reactions:

Reactions:

Will occur [] Will not occur [X]

Conditions To Avoid -

No data available.

11. Toxicological Information

Toxicological Information: Epidemiology: No Information available. No information found.

> Teratogenicity: There is no human information available. Methanol is considered to be a potential developmental hazard based on animal data. In animal experiments, methanol

has caused fetotoxic or teratogenic effects without maternal toxicity.

Reproductive Effects: See actual entry in RTECS for complete information.

Mutagenicity: Neurotoxicity: ACGIH cites neuropathy, vision and CNS under TLV basis.

Other Studies:

Carcinogenicity/Other

Information:

CAS# 67-56-1: Not listed by ACGIH, IARC or NTP.

NTP? No IARC Monographs? No OSHA Regulated? No Carcinogenicity:

12. Ecological Information

General Ecological

Information:

Environmental: Dangerous to aquatic life in high concentrations. Aquatic toxicity rating: TLm 961000 ppm. It may be dangerous if it enters water intakes. Methyl alcohol is expected to biodegrade in soil and water very rapidly. This product will show high soil mobility and will be degraded from the ambient atmosphere by the reaction with photochemically produced hyroxyl radicals with an estimated half-life of 17.8 days. Bioconcentration factor for fish (golden ide) < 10.Based on a log Kow of -0.77, the BCF

value for methanol can be estimated to be 0.

Physical: No information available.

13. Disposal Considerations

Waste Disposal Method:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series:

CAS# 67-56-1: waste number U154 (Ignitable waste).

14. Transport Information



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LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Methanol. Solution.

DOT Hazard Class: FLAMMABLE LIQUID

UN1230 Ш **UN/NA Number: Packing Group:**

LAND TRANSPORT (Canadian TDG):

Methanol. Solution. **TDG Shipping Name:**

1230 Ш **UN Number: Packing Group:**

Hazard Class: 3 (6.1) - FLAMMABLE **TDG Classification:**

LIQUID, POISON

Additional Transport Methanol Solution

Information: **ORM-D Consumer Commodity**

For 1 gallon or larger -UN1230, Methanol Solution, Class 3, PG II

For less than 1 liter - ORM-D Consumer Commodity.

For reshipment within Canada: Box must include Flammable Liquid (class 3 red label)

and Poison (class 6.1 white label) diamond labels.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS# **Hazardous Components (Chemical Name)** S. 302 (EHS) S. 304 RQ S. 313 (TRI)

67-56-1 Methanol Yes 5000 LB Yes

This material meets the EPA [X] Yes [] No Acute (immediate) Health Hazard 'Hazard Categories' defined [X] Yes [] No Chronic (delayed) Health Hazard

Fire Hazard for SARA Title III Sections [X] Yes [] No

311/312 as indicated: [] Yes [X] No Sudden Release of Pressure Hazard

[] Yes [X] No Reactive Hazard

Hazardous Components (Chemical Name) Other US EPA or State Lists CAS#

CAA HAP, ODC: HAP; CWA NPDES: No; TSCA: Yes -67-56-1 Methanol

> Inventory; CA PROP.65: Yes; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NC TAP: Yes; NJ EHS: Yes - 1222; NY Part 597: Yes; PA HSL: Yes - E; SC

TAP: Yes; WI Air: Yes

Regulatory Information: CA PROP 65: WARNING: This product can expose you to chemical(s) including

(Methanol) which is (are) known to the State of California to cause birth defects or other

reproductive harm. For more information, go to P65warnings.ca.gov.



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16. Other Information

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Hazard Rating System:

Flammability Instability
Health
NFPA: Special Hazard

Additional Information About No data available.

This Product:

Company Policy or Disclaimer:

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