

Material Safety Data Sheet

According to 91/155/EEC and OSHA Hazard Communication Std. 29CFR1910.1200

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

Commercial Product Name: CAMCO QUIK STAIN II - #211

Company: CAMBRIDGE DIAGNOSTIC PRODUCTS, INC. (954) 971-4040
6880 NW 17th Avenue, Fort Lauderdale, FL 33309

Emergency Telephone Number: CHEM-TREC 1-800-424-9300

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS:

	Ingredient	CAS #	% Weight	Exposure Limits
1.	Methanol	67-56-1	65 - 95%	200 ppm OSHA PEL
2.				
3.				
4.				
5.				
6.				
7.				
8.				

3. HAZARDS IDENTIFICATION:

Emergency Overview: Flammable laboratory reagent labeled as toxic and flammable due to methanol content. No health hazards are expected or reported when used as directed by medical laboratories in small volume. Level of exposure is usually very small.

Skin: Defatting, may cause dermatitis. Avoid prolonged contact; upon contact, wash affected area immediately with soap and water.

Eye Contact: Irritant, causes corneal damage.

Inhalation: Unexpected or prolonged overexposure may cause dizziness, headache and narcotic effect. In addition, prolonged overexposure is toxic to the nervous system, especially the optic nerve.

Ingestion: Toxic, lethal dose 100 – 125 mL.

4. FIRST AID MEASURES:

Skin Contact: Wash off with soap and water and apply emollient cream. In case any irritation persists, get medical attention.

Eye Contact: Irrigate with water or eyewash for 10 – 15 minutes, Get medical attention.

Inhalation: Move affected person outside, contact medical personnel. Overexposure normally does not occur during laboratory quantity usage.

Ingestion: Get medical attention immediately. Note to medical personnel: INDUCE VOMITTING IMMEDIATELY.

5. MEASURES FOR FIRE FIGHTING:

Flash Point (Typical): 52°F (11°C) TAG CC

Autoignition Temperature: 867°F (464°C)

Upper Flammable Limit: UEL: 36.5 LEL: 6.0

Firefighting Procedures: Preferred extinguishing media: CO₂ - dry chemical foam. Do not inhale fumes or smoke. Wear full protective clothing and NIOSH approved self-contained breathing apparatus.

Unusual Fire and Explosion: Above flashpoint, vapor/air mixtures are explosive. Fumes are highly toxic and represent a fire hazard when exposed to spark, flame and static electrical discharge.

NFPA Rating: **Health – 1** **Flammability – 3** **Reactivity - 0**

6. ACCIDENTAL RELEASE MEASURES: Absorb with suitable commercial absorbent. In case no absorbent is available, and there is a possible fire hazard, wash spillage to sewer with plenty of water. Eliminate all sources of ignition to prevent fire. Clean area well.

7. HANDLING AND STORAGE: Store in cool, dry, well-ventilated location in a closed container, away from any source of heat, sparks, flame, electrical and static-electrical discharges.

Storage temperature: Store in a cool, dry, well ventilated location. Preferably at controlled room temperature (10 - 30°C).

Unsuitable Materials: Do not mix with any other chemical except methanol or water (if required).

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Exposure Limits (O.E.L.): 300ppm ceiling for 15 minutes, usually not applicable in laboratory conditions.

Ventilation Procedures: General, minimum rate. (Small quantity laboratory use)

Hand Protection: Thin polyethylene gloves

Eye Protection: Chemical goggles

Respiratory Protection: NIOSH approved disposable Dust and Mist respirators. (DM)

Clothing: Lab coat

9. TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Dark blue, low viscosity liquid.

Solubility: Very good, however, water causes partial precipitation.

Odor: Characteristic

Specific Gravity: 0.770 – 0.870

Boiling Point: 146° - 148° F (64° – 65°C)

Evaporation Rate: (n-Butyl Acetate = 1) 5.9

Vapor Pressure: < 1 atm @ 20° C

% Volatile by Volume: Trade secret

Vapor Density: 1.1 at boiling point.

Percent Solids (w/w): Trade secret.

10. STABILITY AND REACTIVITY:

Stability: 3 ½ years from date of manufacture.

Incompatibility: Strong oxidizing agents. May also react with aluminum.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition of Product: Heat and fire causes toxic fumes.

11. TOXICOLOGICAL INFORMATION:

Skin: Overexposure causes excessive dryness, defatting and may cause dermatitis.

Eyes: Causes corneal damage

Respiratory: Prolonged overexposure causes dizziness, headache and narcotic effect.

Oral LD50: 5,628 mg/kg (rat)

Inhalation LC 50: 64,000 ppm/4H-rat

Dermal LD50: 15,800 mg/kg (rabbit)

Chronic Toxicity: None

Carcinogenicity: None

Mutanogenicity: None

IARC Category: None

Occupational Exposure: None expected when used as a laboratory reagent.

Limits: NIOSH – 300ppm ceiling over 15 minutes of exposure (usually not applicable in laboratory use).

Other: Causes blindness and renal dysfunction. **Ingestion may be fatal.**

12. ECOLOGICAL INFORMATION:

Degradability No data available on product itself.

Acute Fish Toxicity: Goldfish (fresh water) – 250ppm/11H, death.

Environmental Toxicity: Slightly toxic to aquatic life.

Substance: Methanol < 95%

Waste Disposal Number: U154 (Ignitable)

13. DISPOSAL CONSIDERATIONS:

Product: Obsolete material may be incinerated according to local, state or federal regulations. Do not flush material to sewer.

Packaging, Empty: Containers of this material may be hazardous when empty, since they may retain product residues. Observe all warnings and precautions listed for this product.

14. TRANSPORT INFORMATION:

Proper Shipping Name: Methanol Solution - UN1230

Hazard Class: 3

International (Water, I.M.O.)

Proper Shipping Name: Methanol Solution
Hazard Class: 3.2, 6.1
UN: UN1230
Packing Group: II

15. REGULATORY INFORMATION:

S.A.R.A. Codes 311 & 312: Acute, flammable, chronic, fire = YES
Pressure, reactivity = NO

S.A.R.A. Title III section 302: RQ – None TPQ – None

CERCLA: 5,000 pounds RCRA = U154

S.A.R.A. Title III section 313: Subject to reporting rules of section 313, SARA Title III and 40 CFR Part 373

TSCA Inventory Status: CAS # 67-56-1, Methanol (base solvent) is listed in the TSCA inventory.

Clean Air Act: Listed as a hazardous air pollutant. Does not contain any Class 1 or 2 ozone depleters.

Poison Schedule: S6

European/International Regulations: Hazard Symbols: T F.
Risk Phrases: R 11, highly flammable
Safety Phrases: 11, 23/25, S24/25

16. FURTHER DATA:

Cambridge Diagnostic Products, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide for the appropriate precautionary handling of the material by a properly trained person using the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.