SAFETY DATA SHEET

Waters Analytical Standards & Reagents

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER:	**Waters Analytical Standards & Reagents**	**BUSINESS PHONE:**	**303-431-8454**
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	Golden, CO, 80403 U.S.A.	**CHEMICAL EMERGENCY PHONE:**	**352-323-3500 (INFOTRAC)**

EU FACILITIES: **Waters Chromatography Europe B.V.; Mon Plaisir 12, Postbus 215; 4870 AE Etten-Leur NB, The Netherlands TEL +31 76 508 1800 – Waters Technologies Ireland Ltd; Drinagh, Wexford, Ireland; TEL +353 5391 60400**

Product Name(s): **Waters Connections AQT for Alliance RI Test Solutions Kit**
Catalog / Part Number(s): **700002391**
Product Use: **For laboratory use only. Certified reference material or analytical test standard used in laboratories.**
SDS Creation Date: **September 24, 2007** **Revision Date:** **June 5, 2013** **SDS Reference Number:** **700002391**

SECTION 2: HAZARDS IDENTIFICATION

Classification & labeling according to Table 3.1 Annex VI of regulation 1272/2008/EU as amended. GHS Classification: Hazard Class and Category Code:
GHS Classification: Flammable liquids 3; Acute toxicity, Oral 4; Acute toxicity, Inhalation 4; Acute toxicity, Dermal 4, Specific target organ toxicity - single exposure 1.
OSHA Hazards: Combustible liquid, Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption.

GHS/CLP Label Elements – Pictogram(s): **Signal Word: Danger**
Hazard statements: H226 Flammable liquid and vapor; H302+ H312+H332 Harmful if swallowed, in contact with skin or if inhaled; H370 Causes damage to organs. Precautionary statements: P260 Do not breathe dust/fumes/gas/mist/vapours/spray. P280 Wear protective gloves/eye protection/face protection; P307+P311 If exposed: Call POISON CENTER or doctor/physician.

The small quantities supplied in our products are unlikely to cause severe or immediate health effects. Use only as directed and in accordance with good lab practices. For laboratory use only; not for drug, household or other uses.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

				EXPOSURE LIMITS		
CHEMICAL INGREDIENT NAME	**CAS NUMBER**	**EC NUMBER**	**% BY WT.**	**OSHA**	**ACGIH**	**EU IOELV**
Methanol (MEOH)	**67-56-1**	**200-659-6**	**19-40**	**200 ppm; 250 ppm STEL(skin)**	**200 ppm; 250 ppm STEL (skin)**	**260 mg/m3; 200 ppm (skin)**

Notes: Kit consists of 8 sample vial(s) each containing 10 mL of methanol and water mixture/solution. The low concentration levels of the components in this analytical standard have been determined as non hazardous. Using the GHS bridging principles, Methanol is the hazardous classifying component of the mixture. All other constituents considered Non-Hazardous under OSHA 1910.1200 (HazCom) as they contain no known or potential carcinogens in excess of 0.1% of the composition nor any other hazardous chemical in excess of 1% of the composition. Exposure Limits are 8-Hour TWA. (Time Weighted Average) unless designated C (Ceiling) or STEL (Short Term Exposure Limit).

SECTION 4: FIRST-AID MEASURES

Inhalation: Remove to fresh air.
Skin Contact: Wash off with soap & water.
Eye Contact: Immediately flush with water for a minimum of 15 minutes.
Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties: Flammable liquids in the presence of a source of ignition when the temperature is above the flash point. Keep away from sparks/open flame.
Extinguishing Media: Water spray, dry chemical, carbon dioxide or appropriate foam.
Unique Aspects Contributing To a Fire: Solvents may burn with a clear, almost invisible flame.
Special Fire Fighting Procedures: Same as for any flammable liquids. Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Due to small quantities involved, spills or leaks should not pose a significant problem. Absorb with spill pillow or other absorbent and place in closed container for proper disposal.

SECTION 7: HANDLING AND STORAGE

Keep container tightly closed. Store at Room Temperature. Handle in accordance with good laboratory practices. This product is intended for use only by people trained in the safety and handling of chemicals and laboratory preparations.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Handle in accordance with good laboratory practices.
Respiratory Protection: Not normally needed. If exposure limits are exceeded, use approved/certified respirator.
Eye Protection: Safety glasses with side shields or Splash goggles. Skin Protection: Neoprene or other chemical resistant gloves. Disposable nitrile is acceptable for light intermittent exposure.
Engineering Controls: Work in a fume hood or use general or other local exhaust ventilation to meet Exposure Limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

(Literature based data for 40% w/w Methanol)

Appearance:	**Clear**	**Specific Gravity:**	**0.934 g/mL at 20°C 68°F**	**Melting Point:**	**NA**
Physical State:	**Liquid**	**Flash Point:**	**28.9°C 84°F**	**Vapor Pressure:**	**NA**
Odor:	**NA**	**Explosion Limits:**	**LEL-NA UEL-NA**	**Vapor Density (air=1):**	**NA**
pH:	**NA**	**Boiling Point:**	**79°C 174.2°F**	**Solubility in Water:**	**Soluble**

SECTION 10: STABILITY AND REACTIVITY

Hazardous Polymerization Will Not Occur __X__ May Occur____ Stability: Stable __X__ Unstable ____
Hazardous Decomposition/Combustion Products: Carbon oxides.
Conditions and Materials to Avoid: Heat, flame, sources of ignition. Oxidizing agents, Reducing agents, Acids, Alkali metals, Acid Anhydrides, Acid chlorides.

SECTION 11: TOXICOLOGICAL INFORMATION

Primary Route(s) of Exposure under Normal Use: Inhalation, Skin absorption, Skin contact.
Target Organ(s): Central nervous system, liver, kidney, eyes, heart.
Signs & Symptoms of Exposure: Drowsiness, dizziness, irritating to eyes, skin, mucous membranes, respiratory tract.
Prolonged Exposure: Causes damage to organs. Methyl alcohol may be fatal or cause blindness if swallowed. Effects due to ingestion may include: Nausea, headache, vomiting, gastrointestinal disturbance, dizziness, weakness, confusion, drowsiness, unconsciousness. May cause convulsions.
Acute Toxicity: Not Available for Mixture but – Methanol LDLO Oral, human = 143 mg/kg; LD50 Oral, rat = 1187-2769 mg/kg; LC50 Inhalation, rat 4h= 128.2 mg/L; LD50 Dermal, rabbit = 17,100 mg/kg Dermal, rabbit = 17,100 mg/kg.
Other Information: Chemical Ingredient(s) not classified as carcinogen(s) by OSHA, IARC, NTP, ACGIH. WARNING: This product contains a chemical (Methanol) known to the State of California (Prop 65) to cause birth defects or other reproductive harm.

SECTION 12: ECOLOGICAL INFORMATION

Not Available for Mixture but – Methanol aquatic toxicity rating: LC50 (bluegill) – 15,400 mg/L - 96 h; EC50 (water flea) – >10,000 mg/L - 48 h; EC50 (freshwater algae) – 22,000 mg/L – 96 h. Will biodegrade in soil and water very rapidly. Bioaccumulation – 72 d at 20°C. Bioconcentration factor for fish (carp) 1.0.

SECTION 13: DISPOSAL CONSIDERATIONS

Consult applicable local, state or national regulations for proper disposal. US EPA does not classify unused product as hazardous waste.

SECTION 14: TRANSPORT INFORMATION

IATA: Shipping Name: Alcohols, n.o.s. (methanol solution)
UN Number: 1987 Shipping/Hazardous Class: 3 Packing Group: III
Shipping regulations are based on combinations of criteria such as Excepted Quantity, Class and packaging according to DOT, IATA and (49) CFR.

SECTION 15: REGULATORY INFORMATION

U.S. TOSCA: Listed Canada: This product has been classified according to the hazard criteria of the CPR and this SDS contains all the information required by the CPR. WARNING: This product contains a chemical (Methanol) known to the State of California (Prop 65) to cause birth defects or other reproductive harm. Methanol is listed as RTK in Massachusetts, Pennsylvania & New Jersey.

SECTION 16: OTHER INFORMATION

United States EPA Regulatory Information:
SARA 313: Methanol
CERCLA RQ: Methanol 5000 lbs

NFPA/HMIS Rating (MEOH): Health: 2 Flammability: 2 Reactivity: 0
(4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal)

NOTE: NA = Data not available, not established, not determined or not pertinent. DISCLAIMER: The information contained herein has been compiled from data presented in various technical sources believed to be accurate. This information is intended to be used only as a guide and does not purport to be complete. Waters makes no warranties and assumes no liability in connection with the use of this information. It is the user's responsibility to determine the suitability of this information and to assure the adoption of necessary precautions.