

SAFETY DATA SHEET
Q.E.D.® Saliva Alcohol Test Controls
1. PRODUCT AND COMPANY IDENTIFICATION
PRODUCT NAME: Q.E.D.® Saliva Alcohol Test Controls (A-150 and DOT)

GENERAL USE: The OraSure Technologies Q.E.D.® Saliva Alcohol Test Controls are intended for use in conjunction with the Q.E.D.® Saliva Alcohol Test Kit to deliver a rapid, accurate quantitative determination of alcohol in saliva. These products are recommended for professional use in the evaluation of persons suspected of being intoxicated and as an aid in the management of alcoholism.

ORASURE PRODUCT NUMBERS: 31150S, 31050S

MANUFACTURER:

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COMMENTS: To the best of our knowledge, this Safety Data Sheet conforms to the requirements of the US OSHA 29 CFR 1910.1200, Regulation EC 1907/ 2006 and Canadian Hazardous Products Act.

2. HAZARD IDENTIFICATION

The Q.E.D.® Saliva Alcohol Test Controls should only be used by qualified, trained personnel familiar with any potential hazards. Specific warnings are given in the instructions for use. The absence of a specific warning should not be interpreted as an indication of safety.

NOTE: Handling, storing or shipping of this product should pose no threat to the individual. If no leak or excessive damage is noted, there is no recommended Personal Protective Equipment (PPE) required.

GHS LABEL:



Hazard Statements:	Precautionary Statements:
H303 May be harmful if swallowed H315 May cause skin irritation	P262 Do not get in eyes, on skin, or on clothing P332 + P313 If skin irritation occurs: Get medical advice/attention

ROUTES OF ENTRY: Ingestion and absorption.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Contents
Control Solution	2 vials of 5ml aqueous alcohol solution (contains 0.1 - 0.2% Ethanol, 0.1% Sodium Azide & 99.7 - 99.8% Water)

COMMENTS: The following information is furnished for those hazardous constituents that require regulatory control or disclosure at the concentration found in the product. Note that the information here is often based on data for the chemical raw material (LD50, exposure limits, etc.). All known hazardous materials will be listed below.

Chemical Ingredient	Chemical Information
Ethanol (0.1-0.2%)	CAS# 64-17-5 (100%) Chemical Formula: C ₂ H ₆ O Molecular Weight: 46.07 g/mol Flash Point: 14°C (57°F) Boiling Point: 78.3°C (172.9°F) UEL/LEL: 3.3%/19% (V) OSHA Hazards: Flammable liquid, Target Organ Effect, Irritant. GHS Signal Word: DANGER Hazard Statement: H315 + H320 Causes skin and eye irritation; H401 Toxic to aquatic life.  Precautionary Statements: P233 Keep containers tightly closed; P264 Wash hands thoroughly after handling; P273 Avoid release into the environment; P280 Wear protective gloves/protective clothing; P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water; P332 + P337 + P313 If skin/eye irritation occurs: get medical advice/attention. Synonyms: Ethyl Alcohol. May be harmful if swallowed or absorbed through skin. May cause skin or eye irritation.
Sodium Azide (0.1%)	CAS# 26628-22-8 (100%) LD50 (Oral): 27 mg/kg (rat) LC50 (Inhalation): 37 mg/m ³ (rat) LD50 (Dermal): 20 mg/kg (rabbit) TLV: 0.3 mg/m ³ (ceiling) IATA/DOT ID: UN1687 HMIS codes: H=2, F=0, R=1 RCRA Code: P105 GHS Signal Word: DANGER Hazard Statement: H300 + H310 Fatal if swallowed or in contact with skin; H400 Very toxic to aquatic life. 

Precautionary Statements: P264 Wash hands thoroughly after handling; P273 Avoid release into the environment; P280 Wear protective gloves/protective clothing; P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water; P310 Immediately call a POISON CENTER or doctor/physician.
 Harmful if swallowed; it has been evident to kill at low concentrations if ingested (more than contained in product). May cause eye, skin or tissue irritation. Avoid contact. If swallowed, seek medical advice immediately. Sodium Azide may react with lead or copper plumbing; proper disposal is required.

NOTE: Pertaining to each chemical evaluated above: the material and its container must be disposed of in a safe way and in accordance with Local, State and Federal Regulations. Unless otherwise stated no known or anticipated adverse health hazards are likely for the small amount of chemical provided within the mixtures of this product. Utilize Good Laboratory Practices.

4. FIRST AID MEASURES

EYES: Flush eyes with copious water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers while flushing with water. Check for and if possible remove contact lenses. **OBTAIN MEDICAL ATTENTION.**
SKIN: Remove contaminated clothing. Flush skin with copious water and wash affected area with soap and water. Obtain medical attention if symptoms occur.
INGESTION: May be fatal if swallowed. Onset of symptoms may be delayed 18-24 hours after exposure. **DO NOT** induce vomiting. **OBTAIN MEDICAL ATTENTION IMMEDIATELY.**
INHALATION: Remove person from exposure area to fresh air. Treat apparent signs and symptoms. If not breathing give artificial respiration; if breathing is difficult give oxygen. **OBTAIN MEDICAL ATTENTION.**
HEALTH EFFECTS: Symptoms of overexposure may include headache, dizziness, congestion and breathing difficulty. Skin contact may result in dermatitis and may cause allergic skin reaction upon repeated exposure.

5. FIRE FIGHTING MEASURE

EXTINGUISHING AGENT: Use extinguishing media appropriate for the surrounding fire.
FIRE FIGHTING PROCEDURES: Conventional firefighting full protective equipment (with NIOSH-approved self-contained breathing apparatus) and procedures appropriate for the surrounding fire should be sufficient.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL/ LEAK: Clean the spill area with water and wipe dry. Spills can also be absorbed with an appropriate inert material (e.g. spill pillows, acid absorbent pads, etc.) which is secured in an appropriate, labeled, sealed container. Material used to absorb the spill may require hazardous material waste disposal in accordance with all Local, State and Federal regulations. Utilize appropriate Personal Protective Equipment (PPE), including gloves, lab coat or apron and eye/face protection.
GENERAL PROCEDURES: Avoid creating dust, mist or direct contact with skin, eyes, mucous membranes and clothing by wearing appropriate lab Personal Protective Equipment (PPE) including gloves, lab coat and eye/face protection. In the event of a hazardous material spill, contain the spill, if it is safe to do so and immediately move to a safe area. Isolate the hazard area and ventilate if appropriate. Ensure that appropriate spill cleanup materials and PPE are available and used.

7. HANDLING AND STORAGE

HANDLING: No smoking or open flame in storage areas. Avoid contact with eyes, skin, and clothing. 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, open flames or other possible ignition sources.
STORAGE: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed. Store all reagents at 15-30°C (59 – 86°F).
NOTE: Handling and storing of the product should not pose any threat to the shipper. If the product integrity is in question due to excessive damage, utilize proper safety procedures and handle using appropriate PPE.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Adequate ventilation is required. Respiratory protection is not required under normal use of this product. If respiratory protection is needed, follow the OSHA regulation, 29CFR1910.134. Always use a NIOSH approved respirator when necessary.
EYE PROTECTION: Wear appropriate eye protection to prevent eye contact conforming to ANSI Z87.1-2003 (US) or EN 166 (EU) Standards.
PROTECTIVE GLOVES: Wear appropriate protective gloves to prevent skin contact. Replace torn or punctured gloves promptly.
SKIN AND BODY: Wear appropriate body protection to the amount and concentration of the chemical present at the location to prevent contact.
COMMENTS: General chemical/industrial hygiene practices are recommended when working with the product. General ventilation should maintain airborne concentration below the permissible exposure limit. Facilities that are storing, handling or using the solution should be equipped with an emergency eyewash/shower or appropriate means for proper flushing of the eyes and/or body.

Chemical Name	ACGIH	NIOSH	OSHA – (TWA/STEL)
Ethanol (100%)	1000 TLV	N/A	1000 ppm TWA; 1900 mg/m ³ TWA
Sodium Azide (100%)	0.11 ppm/0.29 mg/m ³ STEL	0.1 ppm/0.3mg/m ³ REC. Potential for dermal adsorption.	0.1 ppm (Ceiling)

9. PHYSICAL AND CHEMICAL PROPERTIES

AVAILABLE PHYSICAL/CHEMICAL PROPERTIES AND CHARACTERISTICS ARE LISTED IN SECTION 3.

10. STABILITY AND REACTIVITY

STABLE: The product is known to be stable under recommended storage conditions.

CONDITIONS TO AVOID: Avoid excessive heat; maintain ambient temperatures. Avoid exposure to direct sunlight.

HAZARDOUS DECOMPOSITION PRODUCTS: May emit toxic fumes under normal fire conditions.

INCOMPATIBLE MATERIALS: Sodium Azide has been known to react with lead or copper.

11. TOXICOLOGICAL INFORMATION

ACUTE: The product is not known to have any specific health or toxicological effects if used as offered for its intended purpose.

CHRONIC TOXICITY: None known if used as offered for its intended purpose.

Component	Toxicological Information
Sodium Azide (100%)	LC50 (Inhalation): 37 mg/m ³ (rat) LD50 (Dermal): 20 mg/kg (rabbit)

12. ECOLOGICAL INFORMATION

NOTE: As offered, the product is not known to have a negative effect on the environment. The below Ecological information will be provided based on the individual chemicals contained in the product.

Component	Ecological Information
Sodium Azide (100%)	LC50 – Lepomis macrochirus – 0.68 mg/l – 96h EC50 – Daphnia pulex (Water flea) – 4.2 mg/l – 48h

13. DISPOSAL CONSIDERATION

DISPOSAL METHOD: Disposal of hazardous wastes, product or packaging must be conducted in accordance with all applicable Local, State and Federal Regulations. This section specifies the general and United States RCRA requirements. Processing, use or contamination of the product components may change waste management requirements and options. Contact the authority having jurisdiction for your area for specific disposal requirements.

Sodium Azide may react with lead or copper plumbing to form highly explosive metal azides; buildup in metal plumbing. Proper disposal is required; check your Local, State and Federal Regulations accordingly.

14. TRANSPORTATION INFORMATION

Must be shipped in accordance with all applicable Local, State and Federal Regulations. Processing, use or contamination of this product or its components may change shipping requirements and options.

DOT: Not a dangerous good. **IMDG:** Not a dangerous good. **IATA:** Not a dangerous good.

15. REGULATORY INFORMATION

NOTE: The information here is often based on data for the chemical raw material.

Component	Additional Requirements
Ethanol (100%)	SARA 311/312: Acute health hazard, Chronic health hazard Massachusetts, Pennsylvania & New Jersey Right To Know Components
Sodium Azide (100%)	UNITED STATES: OSHA: Highly toxic by ingestion; Highly toxic by skin absorption. SARA 302/313: Listed SARA 311/312: Acute health hazard, Chronic health hazard Massachusetts, Pennsylvania & New Jersey Right To Know Components CANADA (WHMIS): Canadian DSL: Listed

16. OTHER INFORMATION

The information contained herein is accurate to the best of our knowledge. OraSure Technologies Inc. makes no warranty of any kind, expressed or implied, concerning the safe use of this material in the process or in combination with other substances.

SUMMARY OF CHANGES: 8/2/2011; Information update and reformatted to comply with the Globally Harmonized System.

SUMMARY OF CHANGES: 01/31/14, Removing the Expiration Date.