

TEST TRUE ALDEHYDE ASSAY (R1 & R2)
Version
2.0

Revision Date:

Date of last issue: - 01-29-2020

Date of first issue: -01-01-2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1 Product identifiers
Product name **Test True Aldehyde Assay**Product Number G-2000, G-2070/250, G-2070/100
Supplier Axiom Diagnostics, Inc.
1.2 Relevant identified uses of the substance or mixture and uses advised against
1.3 Identified uses Laboratory analysis
1.4 Restrictions on use For professional use only
1.5 Details of the supplier of the safety data sheet
Company AxiomDiagnostics,Inc
P. O. Box 13275
Tampa, FL 33681
UNITED STATES

Telephone +1 813-902-9888

Fax +1 813-902-1469

1.6 Emergency telephone number

Emergency Phone # + 1-813-902-9888

SECTION 2: Hazards identification
2.1 Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
R1 Hazard Classification

Acute Toxicity – Dermal – Category 4

Skin Corrosion/Irritation – Category 1B

Serious Eye Damage/Irritation – Category 1

Specific Target Organ Toxicity (Repeated Exposure) – Category 2

R2 Corrosive to metals (Category 1), H290

Acute Toxicity – Category 4

Skin Corrosion/Irritation – Category 1

Serious Eye Damage/Irritation – Category 1

2.2 GHS Label elements, including precautionary statements
R1 Pictogram Signal word - Danger


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Hazard Statement(s)

- H312 Harmful in contact with skin
- H314 May cause skin burns and eye damage
- H318 May cause eye damage
- H373 May cause damage to organs through prolonged or repeated exposure

Prevention Precautionary Statement(s)

- P102 Keep out of reach of children
- P103 Read label before use
- P260 Do not breathe mist, vapours or spray
- P264 Wash hands, face and all exposed skin thoroughly after handling
- P273 Avoid release to the environment
- P280 Wear protective clothing, gloves, eye/face protection and suitable respirator as required

Response Precautionary Statement(s)

- P101 If medical advice is needed, have product container or label at hand
- P301+330
 - +331 If SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P310 Immediately call a POISON CENTER or doctor/physician
- P302+352 If ON SKIN: Wash with soap and water
- P303+361
 - +353 If ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
- P363 Wash contaminated clothing before reuse
- P333+313 If skin irritation or rash occurs: Get medical advice/attention
- P304+340 If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P305+351
 - +338 If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and continue rinsing
- P310 Immediately call a POISON CENTER or doctor/physician

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R2 Pictogram



Signal word- Warning

Hazard Statement(s)

- H290 May be corrosive to metals
- H302 If ON SKIN: Wash with soap and water
- H314 Causes severe skin burns and eye damage
- H318 Causes serious eye damage

Precautionary Statement(s)

- P234 Keep only in original container
- P390 Absorb spillage to prevent material damage
- P406 Store in corrosive resistant container

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS- None

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SECTION 3: Composition/information on ingredients**3.2 Mixtures**

	CHEMICAL	CAS NO.	PROPORTION
R1	Sodium Chlorite	7758-19-2	Less than 1%
R2	HCL	7647-01-0	Less than .1N

Ingredients determined to be non-hazardous 99%

SECTION 4: First aid measures**4.1 Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

In case of skin contact

For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble).

In case of eye contact

Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin.

If swallowed

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures**5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture- None.**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

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SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
Wear respiratory protection. Avoid breathing vapours, mist or gas.
For personal protection see section 8.
- 6.2 Environmental precautions**
Do not flush large quantities down drains.
- 6.3 Methods and materials for containment and cleaning up**
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections**
For disposal see section 13.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
Avoid inhalation of vapour or mist. Avoid contact with skin and eyes.
For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities**
Keep container tightly closed in a cool dry and well-ventilated place and out of direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Storage class (TRGS 510): SA: Corrosive hazardous materials
- 7.3 Specific end use(s)**
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters**
Components with workplace control parameters
Contains no substances with occupational or biological exposure limit values.
- 8.2 Exposure controls**
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment
 - Eye/face protection**
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
 - Skin protection**
Handle with gloves. 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 and dry hands.

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Body Protection

Wear lab coat or other protective clothing.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If inhalation risk exists, wear organic vapor/particulate respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hygiene measures

Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid skin and eye contact and inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are accessible to the workstation location.

SECTION 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

R1	Appearance	Form: liquid, color clear to light yellow
	Specific Gravity (20°C)	1.0
	Relative Vapour Density (air=1)	>1
	Vapour Pressure (20°C)	N Av
	Flash Point (°C)	N App
	Flammability Limits (%)	N App
	Autoignition Temperature (°C)	N App
	Decomposition Point (°C)	>140
	Melting Point/Range (°C)	N Av
	Boiling Point/Range (°C)	N Av
	pH	>10
	Viscosity	N Av
	Total VOC (d/Litre)	N Av
	(Typical values only-consult specification sheet)	
	N Av = Not available N App = Not applicable	
R2	Appearance	Form: liquid, color clear to light yellow
	Odour	pungent
	Odour Threshold	No data available
	pH	< 1
	Melting point/freezing point	Solidification/ Setting point: -30 °C (22 °F)
	Initial boiling point and boiling range	> 100 °C > 212 °F - lit.
	Flash point	()No data available
	Evaporation rate	No data available
	Flammability (solid,gas)	No data available

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Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	1.2 g/cm ³ at 25 °C (77 °F)
Water solubility	completely miscible
Partition coefficient: n-octanol/water	No data
Auto-ignition temperature	No data
Decomposition temperature	No data
Viscosity	No data available
Explosive properties	No data available

9.2 Other safety information

No data available

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SECTION 10: Stability and reactivity

10.1 Reactivity

- R1 No reactivity hazards are known for the material.
- R2 No data available

10.2 Chemical stability

- R1 This material is thermally stable when stored and used as directed.
- R2 Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

- R1 No known hazardous materials
- R2 No data available

10.4 Conditions to avoid

- R1 Elevated temperatures and sources of ignition
- R2 No data available

10.5 Incompatible materials

- R1 Oxidising agents and acids forming explosive chlorine dioxide
- R2 Strong oxidizing agents

10.6 Hazardous decomposition products

- R1 Oxides of carbon and nitrogen, smoke and other toxic fumes
 - R2 Other decomposition products - No data available. In the event of fire: see section 5
-

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

- R1 Dermal: This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): 15,000 -30,000
- R2 Dermal: No data available

Skin corrosion/irritation

- R1 This material has been classified as a Category 1B Hazard (corrosive to skin).
- R2 No data available

Serious eye damage/eye irritation

- R1 This material has been classified as a Category 1 Hazard (irreversible effects to eyes).
- R2 No data available

Respiratory or skin sensitization

- R1 Inhalation: this material has been classified as not a respiratory sensitiser. This material has been classified as not a skin sensitiser.
- R2 No data available

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Germ cell mutagenicity

- R1 This material has been classified as non-hazardous
- R2 No data available

Carcinogenicity

- R1 This material has been classified as non-hazardous
- R2

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1 % is on OSHA's list of regulated carcinogens.

Reproductive toxicity

- R1 This material has been classified as non-hazardous
- R2 No data available

Specific target organ toxicity - single exposure

- R1 No data available
- R2 No data available

Specific target organ toxicity - repeated exposure

- R1 No data available
- R2 No data available

Aspiration hazard

- R1 This material has been classified as non-hazardous
- R2 No data available

Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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SECTION 12: Ecological information

12.1 Toxicity

- R1 No data available
- R2 No data available

12.2 Persistence and degradability

- R1 No data available
- R2 No data available

12.3 Bioaccumulative potential

- R1 No data available
- R2 No data available

12.4 Mobility in soil

- R1 No data available
- R2 No data available

12.4 Results of PBT and vPvB assessment

- R1 PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- R2 PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.5 Other adverse effects

- R1 No data available
- R2 No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

- R1 UN number:1908 Class : 8 (Corrosive)
Packing group: II
Proper shipping name: Clorite Solution
Hazchem code: 2X

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R2 UN number: 1789 Class : 8 (Corrosive)
Packing group: II
Proper shipping name: Hydrochloric acid
Reportable Quantity (RQ):
Poison Inhalation Hazard: No

IMDG

R1 UN number:1908 Class : 8 (Corrosive)
Packing group: II
Proper shipping name: Clorite Solution
Hazchem code: 2X

R2 UN number: 1789 Class : 8 (Corrosive)
EMS-No: F-A, S-B
Packing group: II
Proper shipping name: Hydrochloric acid
Reportable Quantity (RQ):
Poison Inhalation Hazard: No

IATA

R1 UN number:1908 Class : 8 (Corrosive)
Packing group: II
Proper shipping name: Clorite Solution
Hazchem code: 2X

R2 UN number: 1789 Class : 8 (Corrosive)
Packing group: II
Proper shipping name: Hydrochloric acid
Reportable Quantity (RQ):
Poison Inhalation Hazard: No

SECTION 15: Regulatory information

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Water

CAS-No.
7732-18-5

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SECTION 16: Other information

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Axiom Diagnostics, Inc. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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