



# UNITECH SCIENTIFIC LLC

Aldehyde Reagent

SDS ACE-F

## SAFETY DATA SHEET (HCS - 29 CFR 1910.1200(g))

### 1. CHEMICAL IDENTIFICATION and COMPANY CONTACT INFORMATION

Product trade name:	ACE Reagent	Supplier:	Unitech Scientific LLC
Product No. :	ACE-F		12026 Centralia Rd, Ste H
Recommended Use:	Food analysis		Hawaiian Gardens, CA 90716, USA
Restrictions on Use:	N/A		
Date of Issue:	2014-03-01	Information, Operations:	562 924-5150
Date of Revision:	01 Aug 2015	Information in case of Emergency:	562 924-5150

### 2. HAZARD IDENTIFICATION

Based on the concentrations in the composition it is not a hazardous product in terms of directive 99/45/EC.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product described is a pure substance: no

Chemical Characterisation: see below

(Dangerous) Components: with the used amounts: none

Reagent - Designation: Acetaldehyde Dehydrogenase enzyme; Standard: Acetaldehyde Solution. Risk reg. comp.: 7/8-28-45-60-61 Kb 2: N CL

Contains no risk components

### 4. FIRST AID MEASURES

Symptoms:	No symptoms expected
Treatment If inhaled:	Remove to fresh air.
In case of skin contact:	Flush with copious amount of water.
In case of contact with eyes:	Flush with copious amount of water while separating the eyelids with fingers.
If irritations appear and persist call a physician.	
If swallowed:	Flush with copious amount of water. Call a physician.

### 5. FIRE FIGHTING

Extinguishing media: water, CO2, foam, powder

### 6. SPILLAGE, ACCIDENTAL RELEASE

Personal precautions: Avoid swallowing; do not store together with food.

Environment precautions: Avoid release into sewerage.

Procedures for clean-up/absorption: Sweep up with cellulose and hold for waste disposal.

### 7. HANDLING AND STORAGE

Handling: No special requirements

Storage: Dry. At +2°C to +10°C.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Threshold value for maintenance of industrial health and safety standards:

Application of minimum protective standards is mandatory.

Personal protection: Protection wear according to national laboratory regulations are sufficient for personal safety (coat, safety goggles, shoes, disposable gloves (latex). Wash hands after finishing work.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance - Reagent & Standard: clear liquids

Odor- Reagent 2: no data available

pH- Reagent 2: 7.8

Boiling point/-range: not determined

Flammability: not flammable

Explosive properties: not explosive

Vapour pressure: not determined

Relative density: not determined

Solubility in water: water soluble

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## 10. STABILITY AND REACTIVITY

Avoidable conditions: nothing known  
Avoidable substances: nothing known  
Dangerous decomposition products: nothing determined  
Further declarations: none

## 11. TOXICOLOGICAL INFORMATION

Toxicity data: not available  
Further statements regarding the toxicological effects:  
The components in the preparation are used in such low concentrations that with proper handling and use no toxicological effects are expected.  
Further declarations: As for all chemicals, handle the product with care.

## 12. ECOLOGICAL INFORMATION

Ecotoxicological effects: Quantitative data of the ecological impact of this composition are not yet known.  
Biological degradability: not available  
Biological effects: not available  
Referring to this data, the product should not get into environmental waters, sewage or soil. In case of accidental release flush or dilute with copious amounts of water.

## 13. DISPOSAL CONSIDERATIONS

Product: There are no uniform regulations for disposal of chemicals within the member states of the EC. Contact a licensed professional waste disposal service for dispose of this material. Observe all federal, state and local environmental regulations.  
Packaging: Dispose according to the regulations of the public authorities. Contaminated packaging has to be treated like the composition. If not otherwise regulated by public authorities, non-contaminated packaging can be treated like household waste or brought to recycling procedures.

## 14. TRANSPORT INFORMATION

Land transport: GGVS, GGVE, ADR, RID  
Class & designation: ---  
Inland ship transport: ADN, ADNR  
class: ---  
Ocean shipping transport: IMDG, GGVSee  
Class & EmS & MFAG: ---  
designation: ---  
Air transport: CAO, IATA  
Class & designation: ---  
This product is not subject to current regulations for transportation of hazardous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO).

## 15. REGULATORY INFORMATION

Indication following the HCS directives:  
Symbols: ---  
Risk regulations: ---  
Safety Regulations: ---  
Note: This product must be labeled in accordance with HCS - 29 CFR 1910.1200(g).

## 16. OTHER INFORMATION

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