



UNITECH SCIENTIFIC LLC

TARTARIC ACID UniFlex Reagent SDS TA-F

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

1. CHEMICAL IDENTIFICATION and COMPANY CONTACT INFORMATION

Product trade name: Tartaric Acid UniFlex-Reagent Supplier: Unitech Scientific LLC
Product No. : TA-F 12026 Centralia Rd, Ste H
Recommended Use: Food analysis Hawaiian Gardens, CA 90716, USA
Restrictions on Use: N/A
Date of Issue: 11-2008 Information, Operations: 562 924-5150
Date of Revision: 01 Aug 2015 Information in case of Emergency: 562 924-5150

2. HAZARD IDENTIFICATION Non-hazardous product as specified in Directives 67/548/EEC and 1999/45/EC

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product described is a pure substance: no
Chemical Characterization: As below

Tartaric Acid Reagent A

Aqueous Solution

NaOH Reagent B

Sodium Hydroxide, Ammonium Chloride

Tartaric Acid Std Designation: Sodium azide Content<0.1% Kb 1: T+ Kb 2: N Kb 3: N/A

4. FIRST AID MEASURES

Symptoms: No symptoms expected
Oral Exposure: If swallowed, washout mouth with water provided person is conscious. Call a physical immediately. Do not induce vomiting
If inhaled: Remove to fresh air; if breathing becomes difficult, call a physician
In case of skin contact: Flush with copious amount of water for at least 15 minutes.
In case of contact with eyes: Flush with copious amount of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician

5. FIRE FIGHTING

Extinguishing media: Water, CO₂, foam, powder
Protective Equipment: Wear self-contained apparatus and protective clothing to prevent skin and eye contact
Specific Hazard: Non-combustible. Contains escaping vapors with water

6. SPILLAGE, ACCIDENTAL RELEASE

Personal precautions: Avoid swallowing; do not store together with food
Environmental precautions: Avoid release into sewers
Procedures for clean-up/absorption: Sweep up with cellulose and hold for waste disposal

7. HANDLING AND STORAGE

Handling: Evacuate Area
Personal Precautions: Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves
Clean-up Method: Ventilate area and wash spill site after material pickup is complete.
Storage: Dry. At +2°C to +10° C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: None
Personal Protecitve: None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Reagent A Clear liquid
NaOH Reagent – Clear, colorless aqueous Liquid
Standard – Clear, colorless aqueous Liquid
Odor: no data available
pH: Reagent A 3.73
NaOH Reagent >11
Standard 7-8
Boiling point/-range, Vapor pressure, Relative density: not determined
Flammability: not flammable
Explosive Properties: not explosive
Solubility in water: water soluble

10. STABILITY AND REACTIVITY

Conditions to Avoid Heating
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide
Hazardous Polymerization Will not occur

11. TOXICOLOGICAL INFORMATION

Routes of Exposure Skin Contact, causes burns. Skin Absorption, may be harmful if absorbed. Eye Contact, causes burns, Inhalation, toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.. Infestion, toxic if swallowed.

Target Organs or Systems Liver, Blood, Nerves, Bone Marrow

Signs, Symptoms of Exposure Inhalation may result in spasm, inflammation and edema of larynx and bronchi, chemical pneumonitis. Exposure symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and cyanosis. Chemical and physical and toxicological properties have not been thoroughly investigated.

RTECS Number N/A

Chronic Exposure – Teratogen May cause congenital malformation in the fetus

12. ECOLOGICAL INFORMATION

Ecotoxicological effects: No data available

13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service for disposal of this material. Contact local disposal companies for advice. Observe all federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

DOT: Proper shipping name: Not subject to transport regulations
IATA: Proper shipping name: Not subject to transport regulations

15. REGULATORY INFORMATION

EU Additional Classification

Symbol of Danger:	Xi: Irritant
Indication of Danger	Irritant
Risk Statements	R: 36/38 Irritating to eyes and skin
Safety Statements	S: 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

US Classification and Label Text

Indication of Danger	Toxic
Risk Statements	Toxicby inalation and if swallowed. Causes burns. May harm the unborn child
Safety Statements	In case of eye contact, rinse immediately with plenty of water; seek medical advice

United States Regulatory Information: SARA Listed (YES); contains a component that is subject to SARA 313 reporting requirements.

Canadian Regulatory Information: WHMIS CLASSIFICATION: This substance has been classified in accordance with the hazard criteria of the CPR, and the MSDS contins all the information required by the CPR.

DSL: No,
NDSL: No-

16. OTHER INFORMATION

For R&D use only. Not for drug, household, or other use.

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