



# UNITECH SCIENTIFIC LLC

PAN UniTab Reagent

SDS PAN

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

### 1. CHEMICAL IDENTIFICATION and COMPANY CONTACT INFORMATION

Product trade name: Primary Amino Nitrogen UniTab Reagent      Supplier: Unitech Scientific LLC  
Product No. : PAN      12026 Centralia Rd, Ste H  
Recommended Use: Food analysis      Hawaiian Gardens, CA 90716, USA  
Restrictions on Use: N/A  
Date of Issue: 03-2008      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, this is not a hazardous product in terms of directive 00/45/EC

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product described is a pure substance: no  
Chemical Characterization: As below  
(Dangerous) Components: None in the amounts used  
NAC Reagent Tablets: Contain no risk components  
OPA Reagent: Contains no risk components  
PAN Standard: Designation: Sodium azide Content<0.1%    Kb 1: T+    Kb 2: N    Kb 3: N/A  
CAS-No.: 26628-22-8    Risk reg. comp.: 28-32-50/53

### 4. FIRST AID MEASURES

Symptoms: No symptoms expected  
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, CO<sub>2</sub>, foam, powder

### 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: 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 (latex) gloves. Wash hands after finishing work.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: NAC Reagent Tablets, dry solid  
OPA Reagent clear solution  
Color: NAC Reagent Tablets, white  
OPA Reagent and Standard, colorless  
Odor: no data available  
pH: not determined  
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

Avoidable conditions & substances, Dangerous decomposition products: nothing known

Further declarations: none

## 11. TOXICOLOGICAL INFORMATION

Toxicity data: Sodium azide (toxicological determining component)  
TDL<sub>o</sub> (oral, men): 0.71mg/kg  
TD<sub>50</sub> (oral, rat): 27 mg/kg  
LD<sub>50</sub> (dermal, rabbit): 20 mg/kg

Further toxicological effects statement: The components in the preparation are used in such low concentrations that with proper handling and use, no toxicological effects are expected.

## 12. ECOLOGICAL INFORMATION

Ecotoxicological effects: Quantitative data of the ecological impact of this composition are not known  
Biological degradability: Not known  
Biological effects: Sodium azide: Azides are toxic for water organisms  
Fish: Lepomis macrochirus toxic from 1.5 ppm in 24 hrs  
Acute ca. toxicity for invertebrates: 5 mg/L  
Acute toxicity for cold blooded animals: 1 mg/L

Referring to this data, especially the presence of sodium azide (present concentration in this product is <0.1% in standard), this component should not get into environmental waters, sewage or soil. Quantities present pose a minor hazard. 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 HCS. Contact a licensed professional waste disposal service for disposal 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: AND, ADN  
class: ---  
Ocean shipping transport: IMDG, GGVSee  
class, EmS, MFAG, designation: ---  
Air transport: ICAO, 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 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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