



# UNITECH SCIENTIFIC LLC

## AMMONIA REAGENT

### EC-MATERIAL SAFETY DATA SHEET (according 91/155/EWG)

#### 1. CHEMICAL IDENTIFICATION and COMPANY CONTACT INFORMATION

Product trade name: UniTAB AMMONIA REAGENT KIT	Supplier:	Unitech Scientific LLC
Product No. : AMM		19912 Corby Av
Field of Application: Food analysis		Lakewood, CA 90715, USA
Date of Issue: 12-2002	Information, Operations:	562 924-5150
Date of Revision: 30 Mar 2008	Information in case of Emergency:	562 924-5150

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

The product described is a pure substance: no

Chemical Characterization: As below

(Dangerous) Components: None in the amounts used

Amm Reagent Tablets: Contain no risk components

GIDH Trigger Enzyme: Contains no risk components

Amm 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

#### 3. HAZARD IDENTIFICATION

Based on the concentrations in the composition, this is not a hazardous product in terms of directive 00/45/EC

#### 4. FIRST AID MEASURES

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: Amm Reagent Tablets, dry solid  
GIDH Trigger clear/opalescent solutions

Color: Amm Reagent Tablets, white  
Trigger 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)  
 TDLo (oral, men): 0.71mg/kg  
 TD50 (oral, rat): 27 mg/kg  
 LD50 (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 EC. 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 EC directives:

Symbols, risk regulations, safety regulations: ---

Note: This product must be labeled in accordance with EC directive 67/548/EEC and 99/45/EC.

**16. OTHER INFORMATION**

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