

PRODUCT SAFETY DATA SHEET

1: IDENTIFICATION

Catalog Number/Product Name: CK9842, Nitrate B Reagent.

Other Common Names: Dropit-Nitrate B Reagent

Recommended Use/Restrictions: For in-vitro diagnostic use only by trained professionals.

Manufacturer/Supplier:

BioConnections

Brindley Court

Victoria Business Park

Knypersley

ST8 7PP

Phone Number: 01782 516010

Emergency Phone Number: None available

2: HAZARD(S) IDENTIFICATION

(a) Classification of the chemical:

Skin corrosion (Sub-category 1B), H314

Serious eye damage (Category 1), H318

(b) Signal word:

Danger

(c) Hazard statement(s):

H314 – Causes severe skin burns and eye damage

(d) Symbol(s):



(e) Precautionary statement(s):

P280 – wear protective gloves / protective clothing / eye protection / face protection.

P301 + P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 – IF IN SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304 + P340 + P310 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE or doctor.

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P363 – Wash contaminated clothing before reuse

(f) Describe any hazards not otherwise classified that have been identified during the classification process:

None

3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	Common Name/Synonym	CAS Number	Concentration (%)
N,N-Dimethyl-1-naphthylamine	-	86-56-6	<1.5%
Acetic acid	-	64-19-7	20-30%

4: FIRST-AID MEASURES

(a) Routes of Exposure:

Eyes: If splashed into eyes, rinse with water for 10 to 15 minutes. Keep eyelids open. Gently remove contact lenses if present and continue rinsing. If irritation persists, seek medical advice

Ingestion: Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Seek medical advice immediately. Contact poison control if necessary. If victim is conscious and alert, give 2 to 4 cupful's of milk or water. Never give anything by mouth to an unconscious person

Inhalation: Remove victim to fresh air. If not breathing begin artificial respiration and seek medical advice immediately

Skin: Wash off with warm water and soap. Get medical attention if irritation develops and persists. Avoid touching contaminated clothing.

(b) Important symptoms/effects(acute and delayed): The most important known symptoms and effects are described in sections 2C and 11

(c) Indication of immediate medical attention and special treatment needed: Treat symptomatically and supportively

5: FIRE-FIGHTING MEASURES

(a) **Suitable (and unsuitable) extinguishing media:** Use alcohol resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet.

(b) **Specific hazards arising from the chemical:** Flammable liquid, vapours may ignite by spark or hot surface. Material is corrosive

(c) **Special protective equipment and precautions for fire-fighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6: ACCIDENTAL RELEASE MEASURES

(a) **Personal precautions, protective equipment, and emergency procedures:** Wear PPE and chemical resistant gloves. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations

(b) **Methods and materials for containment and cleaning up:** Avoid the spillage or runoff entering drains. Contain spillage with sand, earth or other suitable non-combustible material. Flush spill area with water, store recovered material including flush water in a suitable container. Discard according to local regulations.

7: HANDLING AND STORAGE

(a) **Precautions for safe handling:** Wear appropriate PPE, avoid inhalation of vapour or mist. Do not get in eyes, skin or clothing.

(b) **Conditions for safe storage:** Store according to label instructions. Store in a dry and cool place not exceeding 8°C

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

(a) **OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:**

Chemical Name	CAS Number	Value	Control parameters	Basis
Acetic Acid	64-19-7	TWA (indicative)	10 ppm 25 mg/m ³	Commission directive (EU) 2017/164 establishing a fourth list of indicative occupational exposure limit values pursuant to council directive 98/24/EC
		STEL (indicative)	20 ppm 50 mg/m ³	Commission directive (EU) 2017/164 establishing a fourth list of indicative occupational exposure limit values pursuant to council directive 98/24/EC

(b) **Appropriate engineering controls:** Eye bath. Safety shower.

(c) **Individual protection measures, such as personal protective equipment:**

Eye Protection: Safety glasses with side-shields.

Ingestion: Do not swallow. Product may cause permanent damage to the digestive tract.

Inhalation: Ensure adequate ventilation, especially in confined spaces.

Skin and Hand Protection: Wear protective gloves, safety glasses and long sleeved clothing.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Physical State: Liquid.

Color: light red.

Odor: Vinegar like

Odor Threshold: No data available.

pH: No data available

Melting Point/Freezing Point: No data available

Boiling Point/Boiling Range: No data available

Flash Point: N data available

Evaporation Rate: No data available.

Flammability: No information available.

Upper and Lower Flammability/Explosive Limits: No data available

Vapor Pressure: No data available.

Vapor Density: No data available.

Relative Density: No data available

Solubility: Completely miscible with water.

Partition coefficient (n-octanol/water): No data available.

Auto-ignition Temperature: No data available.

Decomposition Temperature: No data available.

Viscosity: No data available.

10: STABILITY AND REACTIVITY		
(a) Reactivity: Not determined. (b) Chemical stability: Stable under normal conditions. (c) Possibility of hazardous reactions: Not determined (d) Conditions to avoid (e.g., static discharge, shock, or vibration): Avoid moisture (e) Incompatible materials: Peroxides, permanganates, for example potassium permanganate, amines, alcohols (f) Hazardous decomposition products: In the event of fire, refer to section 5.		
11: TOXICOLOGICAL INFORMATION		
Acute Toxicity		
No data available		
Skin Corrosion/Irritation		
Mixture causes burns		
Serious Eye Damage/Eye Irritation		
Mixture causes serious eye damage. Risk of blindness!		
Respiratory or Skin Sensitisation		
No data available		
Germ Cell Mutagenicity		
No data available		
Carcinogenicity		
No data available		
Reproductive Toxicity		
No data available		
Specific target organ toxicity – single exposure		
No data available		
Acute oral toxicity – If ingested, severe burns of the mouth and throat as well as a danger of perforation of the esophagus and stomach.		
Acute inhalation toxicity – Mucosal irritations, cough, shortness of breath.		
Possible damage – Damage of respiratory tract		
Specific target organ toxicity – repeated exposure		
No data available		
Aspiration hazard		
No data available		
Additional information		
RTECS: Not available		
12: ECOLOGICAL INFORMATION		
Toxicity (mixture) No data available Persistence and degradability No data available Bioaccumulative potential No data available Mobility in soil No data available PBT and vPvB assessment This substance or mixture contains no compounds considered to be either persistent, bioaccumulative or toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher Other adverse effects No data available		
13: DISPOSAL CONSIDERATIONS		
Burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose as clinical waste		
14: TRANSPORT INFORMATION		

DOT Hazard Class: 8
Shipping name: Acetic Acid, Solution
Identification number: UN2790
Packing group: Group III
Environmental hazard: No

15: REGULATORY INFORMATION

This Material Safety Data Sheet complies with the requirements of Regulation (EC) No. 1907/2006.

16: OTHER INFORMATION

The above information, to the best of our knowledge, is accurate. BioConnections assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.

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