

# MATERIAL SAFETY DATA SHEET

According to EC directive 2001/58/EC

## NAG kit – 100 tests

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

#### Product Information

**Commercial Product Name:** N-acetyl-beta-D-glucosaminidase (NAG) kit  
**Product number:** 1290100  
**Intended use:** Biochemistry kit  
**Company:** Helier Scientific Ltd.  
SWT Institute for Renal Research  
Wrythe Lane, Carshalton  
Surrey  
SM51AA  
United Kingdom  
**Email:** [info@helierscientific.com](mailto:info@helierscientific.com)

### 2. CHEMICAL CHARACTERISATION Components

**Solution N:** 1 piece  
**Labelling:** not required  
Contains no hazardous substances in concentrations to be declared

**Buffer A:** 1 piece  
**Labelling:** not required  
Contains no hazardous substances in concentrations to be declared

**Buffer G:** 1 piece  
**Labelling:** not required  
Contains no hazardous substances in concentrations to be declared

### 3. HAZARD IDENTIFICATION

#### Risk advice to man and the environment

Is to be classified according to EEC directive 67/548 and 99/45 as hazardous.

**Classification:** Irritating  
**Hazard symbol:** Xi  
**Risk Phrases:** R36 Irritating to eyes.



#### 4. **FIRST AID MEASURES**

<b>Eyes:</b>	Flush with clean water, thoroughly, for 15 minutes and seek medical advice
<b>Skin:</b>	Wash with water thoroughly
<b>Ingestion:</b>	If accidentally swallowed seek medical advice immediately
<b>Instruction for physician:</b>	Symptomatic treatment by a physician.

#### 5. **FIRE FIGHTING MEASURES**

<b>Extinguishing media:</b>	No restriction
<b>Decomposition:</b>	Gases which are damaging to health do not form in dangerous quantities.

#### 6. **ACCIDENTAL RELEASE METHODS**

Actions to be taken on	Smaller quantities can be washed off with plenty of water.
Spillage:	
Absorbant material:	Not necessary.
Actions to be taken to limit	Special measures to limit damage are not necessary.
Damage:	

#### 7. **HANDLING AND STORAGE**

<b>Handling:</b>	Non-inflammable substance. No special requirements.
<b>Storage:</b>	Store at 2-8°C.
<b>Do not store together with:</b>	No restriction.

#### 8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

##### **Personal protective equipment**

Respiratory protection:	Avoid inhalation
Eye protection:	not necessary
Hand protection:	Protective gloves
Hygiene measures:	Wash hands before breaks and at the end of workday.

#### 9. **PHYSICAL AND CHEMICAL PROPERTIES**

##### **Solution N**

Form:	Liquid
Miscibility with water	Miscible
pH:	2.3

##### **Buffer A**

Form:	Solid
Miscibility with water:	Miscible
pH:	-

##### **Buffer G**

Form:	Liquid
Miscibility:	Miscible
pH:	9.2

**10. STABILITY AND REACTIVITY**

Hazardous reactions:	None under normal use.
Hazardous decomposition	No data available.

**11. TOXICOLOGICAL INFORMATION**

**Toxicological information for the product**  
Intoxication has so far not become known.

**12. ECOLOGICAL INFORMATION**

**Water hazard class:** Slightly hazardous to water and ground

**13. DISPOSAL CONSIDERATION**

Waste disposal route:	Used reagent can be disposed of in the water in accordance with local regulations.
Disposal of empty packaging:	Dispose of empty packs via local recycling or waste disposal routes- if necessary, clean them beforehand.

**14. TRANSPORTATION INFORMATION**

Is not subject to current regulations for transportation of dangerous goods (ADR/RID, IMDG, IATA/ICAO).

**15. REGULARITY INFORMATION**

**Labelling according to EC-Directives**

Note:	This product must not be labelled in accordance with EEC directive 67/548 and 99/45	
Hazard Symbol:	Xi	Irritant
Warnings:	R36	Irritating to eyes.
Safety advice:	S22	Do not breathe dust.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**National regulations**

UK	IS not subject of the UK regulations for flammable liquids (Betriebssicherheits VO).
Betriebssicherheits VO:	

**16. OTHER INFORMATION**

**Further information**

The information is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our product is responsible for ensuring that, where applicable, existing laws and guidelines are observed.

Special permission has been granted in accordance with EU Directive 99/45, Article 9, which permit small packages of up to 125 ml or 125 g containing materials that are harmful to health or irritant to be unlabelled with the hazard identification information given in the safety data sheet.