

Section 1 - Product and Company Identification

1.1 Product identifiers

Product name: **HEK-Blue™ LPS Detection Kit 2**

Catalog code: rep-lps2

CAS number: Not available

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Laboratory chemicals

Disclaimer: All InvivoGen products are supplied for research and laboratory use only. Not for drug, household or other uses.

1.3 Details of the supplier of the safety data sheet

Company:

InvivoGen USA, 10515 Vista Sorrento Parkway
San Diego, California 92121, USA
(+1) 888 457 5873

InvivoGen Europe, 5 rue Jean Rodier
31400 Toulouse, France
+33 (0) 5 62 71 69 39

InvivoGen Hong Kong, Unit 106, 1F,
15W Phase 3 Hong Kong Science Park,
Pak Shek Kok, Hong Kong
+852 3622 3480

1.4 Emergency telephone number: ORFILA (INRS): +33 (0)1 45 42 59 59

Section 2 – Hazards Identification

2.1 Classification of substance according to Regulation (EC) No 1272/2008 [EU-GHS/CLP] and GHS

Acute toxicity, Oral (Category 3), H301
Acute toxicity, Inhalation (Category 2), H330
Acute toxicity, Dermal (Category 3), H311
Serious eye damage (Category 1), H318
Respiratory sensitization (Category 1), H334
Skin sensitization (Category 1), H317

2.2 Label elements according to Regulation (EC) No 1272/2008 [CLP] and GHS

Pictogram



Signal word

Danger

Hazard statement

H301 + H311 Toxic if swallowed or in contact with skin.
H317 May cause an allergic skin reaction.




H318 Causes serious eye damage.
H330 Fatal if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statements

P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.
P284 Wear respiratory protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or a doctor/physician.
P302 + P350 IF ON SKIN: Gently wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards - none
Section 3 – Composition/Information on Ingredient

The HEK-Blue™ LPS Detection Kit 2 contains the components listed below.

Ingredient	CAS Number	EC Number	GHS Classification	Pictogram
HEK-Blue™-4 cells in freezing medium	Not available	Not available	Not dangerous	None
HEK-Blue™ Selection	Not available	Not available	Acute toxicity, Oral (Category 3), H301; Acute toxicity, Inhalation (Category 2), H330; Acute toxicity, Dermal (Category 3), H311; Serious eye damage (Category 1), H318; Respiratory sensitization (Category 1), H334	
Normocin™	Not available	Not available	Respiratory sensitization (Category 1), H317; Skin sensitization (Category 1), H334	
QUANTI-Blue™	Not available	Not available	Eye irritation (Category 2), H319	
HEK-Blue™ Endotoxin Standard	Not available	Not available	Not dangerous	None
Endotoxin-free water	7732-18-5	231-791-2	Not dangerous	None

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4 – First Aid Measures
4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled: If breathed in, remove to fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash skin with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2 Specific hazards arising from the chemical

No data available

5.3 Special Firefighting Procedures

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

For disposal see section 13.

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: For the recommended storage temperature for each component of this kit, refer to the technical data sheet.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 – Exposure Controls/PPE

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

Section 9 – Physical/Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Refer to the technical data sheet

Color: No data available

Safety Data

Odor: No data available

Odor threshold: No data available

pH: No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Relative density: No data available

Solubility in water: No data available

Partition coefficient: n-octanol/water: No data available

Autoignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

9.2 Other safety information

no data available

Section 10 – Stability and Reactivity**10.1 Reactivity:** No data available**10.2 Chemical stability:** Stable under recommended storage conditions.**10.3 Possibility of hazardous reactions:** No data available**10.4 Conditions to avoid:** No data available**10.5 Incompatible materials:** No data available**10.6 Hazardous decomposition products:** No data available**Section 11 – Toxicological Information****11.1 Information on toxicological effects****Acute toxicity:**

Oral LD50: No data available

Inhalation LC50: No data available

Dermal LD50: No data available

Other information on acute toxicity: No data available

Skin corrosion/irritation: No data available**Serious eye damage/irritation:** No data available**Respiratory or skin sensitization:** No data available**Germ cell mutagenicity:** No data available**Carcinogenicity:** No data available**Reproductive toxicity:** No data available**Additional information:** No data available**Section 12 – Ecological Information****12.1 Toxicity:** No data available**12.2 Persistence and degradability:** No data available**12.3 Bioaccumulative potential:** No data available**12.4 Mobility in soil:** No data available**12.5 Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required or not conducted.**12.6 Other adverse effects:** No data available**Section 13 – Disposal Considerations****13.1 Waste treatment methods****Product:** Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.**Contaminated Packaging:** Dispose of as unused product.**Section 14 – Transport Information****14.1 UN number**

ADR/RID: 2810

DOT (US): 2810

IMDG: 2810

IATA: 2810

14.2 UN proper shipping name

Toxic, liquids, organic, n.o.s.

14.3 Transport hazard class(es)

ADR/RID: 6.1 DOT (US): 6.1 IMDG: 6.1 IATA: 6.1

14.4 Packaging group

ADR/RID: III DOT (US): III IMDG: III IATA: III

14.5 Environmental hazards

ADR/RID: no DOT (US): no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

Section 15 – Regulatory Information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

15.2 Chemical Safety Assessment

no data available

Section 16 – Other Information**Hazard statement**

H301 + H311	Toxic if swallowed or in contact with skin.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

The information contained in this SDS relates only to the material(s) designated and does not relate to use(s) in combination with any other material, process(es) and/or chemical reaction(s). InvivoGen provides this information in good faith and is based on our present knowledge. This SDS is provided without warranty of any kind. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.