

Material Safety Data Sheet

Implementing Directives 1999/45/CE, 2001/58/CE, 2001/59/CE

1. Identification of the preparation and of the supplying company:

Product Code: 3KC801
Identification of the Preparation: Heterophilic Blocking Reagent 1, Non Murine
Product/Trade Name (as Labeled on box): HBR 1, Non Murine
Kit Contents: N/A
Manufacturer: Scantibodies Laboratory, Inc.
Manufacturer's Address: 9336 Abraham Way, Santee, CA 92071, USA
Manufacturer's Phone Number: (619) 258-9300
Date MSDS Prepared: 10 March 2005

2. Composition/Information on Ingredients:

Chemical Characterization: Goat derived proteins in a buffered salt solution containing Sodium Azide @ 0.1%
Hazardous Ingredients: Sodium Azide @ 0.1%
CAS Number: 026628-22-8
Symbol: Harmful Xn
R-phrases: R22, R31, R52/53
S-phrases: S28, S45, S53, S60, S61

3. Hazards and Potential Health Effects:

Sodium Azide:

Harmful if swallowed; Harmful to aquatic organisms/ may cause long-term adverse effects in the aquatic environment.

4. First Aid Procedures:

Sodium Azide:

Ingestion: For small amounts, rinse mouth with water provided person is conscious. Consult with a physician.

Skin: Wash affected area with anti-microbial soap and water, rinse with water. Remove and wash contaminated clothing.

Eyes: Flush with copious amounts of water or eyewash saline for at least 15 minutes. Consult with a physician if irritation occurs.

Inhalation: Remove to fresh air; if not breathing, give artificial respiration.

5. Fire Fighting Measures:

Sodium Azide:

No special procedures/media are required.

Material Safety Data Sheet

Implementing Directives 1999/45/CE, 2001/58/CE, 2001/59/CE

6. Accidental Release Measures:

Sodium Azide:

Wear appropriate protective clothing. Cover with absorbent; wash area thoroughly.

7. Handling and Storage:

Sodium Azide:

Handling: Wash hands after working with substance.

Storage: Keep in a tightly closed container. Store at 2-8 °C

8. Exposure Controls/Personal Protection:

Wear latex or vinyl gloves, a laboratory coat, and safety glasses during use.

9. Physical and Chemical Properties:

Yellow to brown colored liquid after reconstitution, no unusual odor.

10. Stability and Reactivity:

Sodium Azide:

Stable at 2-8 °C until expiry date if unopened; once opened stable for 8 weeks if stored at 2-8 °C.

No reactivity data available.

11. Toxicological Information:

Sodium Azide:

Short-term effects: In pure form, sodium azide is highly toxic and may be fatal if inhaled, swallowed, or absorbed through the skin. May cause eye and skin irritation. At product concentrations, sodium azide is not believed to cause hazardous short-term effects.

Long-term effects: In pure form, sodium azide is classified as a questionable carcinogen with experimental tumourigenic data. At product concentrations, there are no hazardous long-term effects documented.

Precautionary note: To the best of our knowledge, the chemical, physical, and toxicological properties of this product have not been thoroughly investigated at product concentrations.

12. Ecological Information:

At product concentrations – Harmful to aquatic organisms/ may cause long-term adverse effects in the aquatic environment. No harmful effects at use concentration.

Material Safety Data Sheet

Implementing Directives 1999/45/CE, 2001/58/CE, 2001/59/CE

13. Disposal:

Sodium Azide:

Observe all federal, state, and local environmental regulations. If the disposal of this solution is acceptable, flush with large volumes of water to prevent build-up of azides in plumbing.

14. Transport Information:

CDG UK: Non-hazardous for road freight

IMDG: Non-hazardous for sea freight

IATA: Non-hazardous for air freight

15. Regulatory Information:

Sodium Azide ($\leq 0.2\%$):

Labeling according to EC directives: Contains 0.095% sodium azide

Symbol: Harmful Xn

R-phrases: R22, R31, R52/53

S-phrases: S28, S45, S53, S60, S61

Small pack derogation applies to all other risks and safety phrases.

16. Other Information:

R22: Harmful if swallowed.

R31: Contact with acids liberates toxic gas.

R52/53: Harmful to aquatic organisms/ may cause long-term adverse effects in the aquatic environment.

S28: After contact with skin, wash with plenty of water.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S53: Avoid exposure – obtain special instructions before use.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

17. Document Revisions:

| <u>Version</u> | <u>Date:</u> | <u>Changes:</u> |
|----------------|--------------|------------------|
| 01 | 10 Mar 2005 | Initial Release. |