



MATERIAL SAFETY DATA SHEET

Date of Issue: January 27, 2009

1. Identification of the substance/preparation and of the company/undertaking

Product Name: VECTASHIELD® with PI
Catalog No.: H-1300

Manufacturer/Supplier USA

Vector Laboratories, Inc
30 Ingold Road
Burlingame, CA 94010
United States
Tel: (650) 697-3600 Fax: (650) 697-0339
Email: vector@vectorlabs.com

EU Supplier United Kingdom

Vector Laboratories Ltd
3 Accent Park
Bakewell Road, Orton Southgate
Peterborough, PE2 6XS, United Kingdom
Tel: (01733) 237999 Fax: (01733) 237119
Email: vector@vectorlabs.co.uk

2. Hazards identification

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin.

3. Composition/information on ingredients

Chemical characterization: Mixture of substance(s) listed below with non-hazardous additions

Substance	CAS#	EC#	% by weight
Glycerol	56-81-5	200-289-5	85%

Classification

Xn; R20/21/22-36/37/38

4. First-aid measures

Inhalation: Remove to fresh air. Obtain medical attention.

Skin contact: Wash thoroughly with water for at least 15 min. Obtain medical attention.

Eye contact: Wash thoroughly with water for at least 15 min. Obtain medical attention.

Ingestion: Do not induce vomiting. If person is conscious, wash out mouth with water. Obtain medical attention.

5. Fire-fighting measures

Suitable extinguishing media: Water, foam, carbon dioxide

Special protective equipment: Use respirator. Toxic gases can be evolved.

6. Accidental release measures

Wear protective clothing to prevent contact with eyes and skin. Ensure adequate ventilation. Flush to sewer, if allowed or collect on absorbent material and dispose of according to local and regional regulations.

(continued on next page)



7. Handling and storage

Handling: Use only with adequate ventilation. Wear eye protection and compatible chemical-resistant gloves.

Storage: Store in a refrigerator.

8. Exposure controls/personal protection

Engineering methods: Use enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.

Exposure limit: TWA 10 mg/m³ from ACGIH. Consult local authorities for acceptable exposure limits.

Personal protection:

Hand protection Compatible chemical-resistant gloves

Eye protection Chemical safety goggles

Skin protection Lab coat

9. Physical and chemical properties

Appearance: Liquid

Odor: None

pH: Not determined

Boiling point: Not determined

Melting point: Not determined

Flash point: Not determined

Autoflammability: Not determined

Vapor pressure: Not determined

Relative density: Not determined

Solubility: Not applicable

10. Stability and reactivity

Conditions to avoid: Not determined

Materials to avoid: Strong oxidizers, strong bases

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

11. Toxicological information

Acute effects: May cause skin irritation, eye irritation, mucus membrane irritation. May be harmful if swallowed.

Chronic effects: No data available.

RTECS#: MA8050000

Toxicity data: orl-rat LD50: 12600 mg/kg
orl-gpg LD50: 7750 mg/kg
scu-rat LD50: 100 mg/kg

Only selected RTECS data is shown. See actual entry for complete information.

(continued on next page)



12. Ecological information

Data not yet available.

13. Disposal considerations

Observe all local or regional regulations.

14. Transport information

Data not yet available.

15. Regulatory information

Hazard symbols:

Xn Harmful

Risk phrases:

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

Safety phrases:

S28 After contact with skin, wash immediately with plenty of soap-suds

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

16. Other information

The information contained in this Material Safety Data is believed to be accurate but it is the responsibility of the user to determine the applicability of these data to the formulation of necessary safety precautions. Vector Laboratories Inc. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material Safety Data Sheet.