

Vet Tek

EPINEPHRINE 1:1000

COMPANY: BOEHRINGER INGELHEIM KG  
 PRODUCT NAME: (-)-Epinephrine  
 SYNONYMS: (-)-Adrenaline Base

- 1.1 CHEMICAL CHARACTERIZATION: (-)-1-(3,4-Dihydroxyphenyl)-2-methylaminoethanol  
 1.2 FORM: Solid, powder  
 1.3 COLOUR: white  
 1.4 ODOUR: Odourless

2 PHYSICAL DATA AND SAFETY DATA

- 2.1 CHANGE IN PHYSICAL STATE:  
 MELTING TEMP: 212 deg C tested in accordance with:  
 DIN 51 583  
 BOILING TEMP: n. a. deg C tested in accordance with:  
 DIN  
 2.2 DENSITY: (20 deg C) g/cm3  
 BULK DENSITY: 400 kg/m3  
 2.3 VAPOUR PRESSURE:  
 (20 deg C) mbar  
 (50 deg C) mbar  
 2.4 VISCOSITY: (20 deg C)  
 2.5 SOLUBILITY IN WATER: (20 deg C) 1 g/l  
 in sparingly water soluble  
 2.6 pH VALUE (at 1 g/l H2O) (20 deg C) 9.0  
 2.7 FLASH POINT: n.a. deg C DIN  
 2.8 IGNITION TEMPERATURE: deg C DIN  
 2.9 EXPLOSION LIMITS:  
 LOWER: VOL%  
 UPPER: VOL% DIN  
 2.10 THERMAL DECOMPOSITION: > 212 C  
 2.11 HAZARDOUS DECOMPOSITION PRODUCTS: In case of fire  
 acrid, inflammable fumes may develop.  
 2.12 HAZARDOUS REACTIONS:  
 2.13 FURTHER INFORMATION: Up to 188 C no observation of  
 exothermic decomposition DTA

3 TRANSPORT

GGVSee/IMDG-code: cl.6.1 page D 6206 page E 6206 UN-No:  
 2811  
 ICAD/IATA-DGR: cl.6.1 UN-No: 2811/II POISON  
 GGVE: cl. 6.1 item 0090b) RID: cl. 6.1 item 0090b)  
 GGVS: cl. 6.1 item 0090b) ADR: cl. 6.1 item 0090b)  
 ADMR:  
 3.1 OTHER INFORMATION: Special provisions for transport by  
 airplane: packing group: II, p.instr.p.: 613 (25  
 kg), T650 (25 kg), p.instr.c.: 615 (100 kg).  
 seaship: packing group: II, EmS No 6.1-04, MFAG:  
 800. train or truck: packing group: b), Kemler-No:  
 60, UH 2811, emergency instructions required.

4 REGULATIONS

CAS-Mr.: 51-43-4. The product is not subject to mandatory  
 marking in accordance with EEC- guidelines, but on  
 account of its properties should be marked with: danger  
 symbol: T+ ("very toxic"), R-phrases: 26/27/28, Very  
 toxic by inhalation, in contact with skin and if  
 swallowed. S-phrases: 1-37/39-45, Keep locked up. Wear  
 suitable gloves and eye protection. In case of accident  
 or if you feel unwell, seek medical advice immediately  
 (show the label where possible).

5 PROTECTIVE MEASURES, STORAGE AND HANDLING

- 5.1 TECHNICAL PROTECTIVE MEASURES: Keep locked up. Keep at  
 temperature not exceeding 25 C. Keep container  
 tightly closed. Protect from action of light.

- 5.2 PERSONAL PROTECTIVE EQUIPMENT:  
 RESPIRATORY PROTECTION: Dust mask (if dust arises)  
 EYE PROTECTION: Goggles  
 HAND PROTECTION: Gloves made of Neoprene  
 OTHER: Wear suitable protective clothing.  
 5.3 INDUSTRIAL HYGIENE: When using do not eat, drink or  
 smoke. Do not breathe dust. Avoid contact with skin  
 and eyes.  
 5.4 PROTECTION AGAINST FIRE AND EXPLOSION: With organic  
 powders the danger of a dust explosion must always be  
 expected. Take precautionary measures against static  
 discharges. Dust explosion hazard (mod. Hartmann  
 tube): ST 2 (dangerous).  
 5.5 DISPOSAL: If wastes of the product cannot be handed  
 back to the manufacturer for recycling, take into  
 consideration the local authority regulations for  
 waste-management: e.g. suitable incineration plant.

6 MEASURES IN CASE OF ACCIDENTS AND FIRES

- 6.1 AFTER SPILLAGE/LEAKAGE/GAS LEAKAGE: Spilled product  
 take up by mechanical means, avoid raising dust,  
 collect in tight drums.  
 6.2 EXTINGUISHING MEDIA: Suitable: Water spray, foam, CO 2,  
 dry powder.  
 6.3 FIRST AID: In case of skin contact, wash off  
 immediately with plenty of water and soap. In case of  
 eye contact, rinse away thoroughly with water and  
 consult a physician. In case of accident or if you  
 fell unwell, seek medical advice immediately, show  
 label where possible.  
 6.4 FURTHER INFORMATION:

7 INFORMATION ON TOXICITY

According to RTECS # D02625000 LD 50 mouse, p.o.: 50 mg/kg  
 body weight.

8 INFORMATION ON ECOLOGICAL EFFECTS

Do not allow the product to get into sewage systems.

9 FURTHER INFORMATION

This substance is an active ingredient. All precautionary  
 measures required for drugs have to be observed.  
 All information given herein is based on the current status  
 of our knowledge and is no guarantee for certain  
 properties.  
 DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES: Although  
 reasonable care has been taken in the preparation of this  
 document, we extend no warranties and make no  
 representation as to the accuracy or completeness of the  
 information contained therein, and assume no responsibility  
 regarding the suitability of this information for the  
 user's intended purposes or for the consequences of its  
 use. Each individual should make a determination as to the  
 suitability of the information for their particular  
 purpose(s). A request has been made to the manufacturer to  
 approve the contents of this material safety data sheet.  
 Upon receipt a new MSDS will be made available.

COMPAS Code: 29710030