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PRODUCT: Midkine 114–122 (HLA-A*02:01)

SAFETY DATA SHEET

1. Chemical Product and Company Identification

Product Identifier
Product name: Midkine 114–122 (HLA-A*02:01)
Product number: EP11356
CAS number: N/A
WHMIS Classification: none
Product Use: Laboratory chemicals. Manufacture of substances for research only. Do not use for diagnostically process.

Manufacturer's and supplier's identification
Name: peptides&elephants GmbH
Street Address: Neuendorfstrasse 20b
Postal Code: 16761
City: Hennigsdorf
E-mail address: lab@peptides.de
Telephone: +49 3302 202 2000
Fax: +49 3302 202 2001
Date SDS Prepared: 23.11.2018 MSDS Prepared by: Dr. Oliver Kreuzer

Emergency telephone number:
+49 030 192 40 (Poison control Berlin/Germany)

2. Composition/Information on Ingredients

Hazardous Ingredients: None
Emergency Overview: Not expected to produce significant adverse health effects when the recommended instructions for use are followed. No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

3. Hazards Identification

WHMIS Symbol: none
Potential Health Effect: No known significant effects or critical hazards.

4. First Aid Measures

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 min.
Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and the lower eyelids. Get medical attention if symptoms occur.
Inhalation: If inhaled, move to fresh air. If not breathing, give artificial respiration.
Ingestion: Wash out mouth with water if the person is conscious. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

5. Fire Fighting Measures

Flammable: no specific fire or explosion hazard.
Extinguishing media: Water spray, Carbon dioxide, alcohol-resistant foam, dry chemical powder.
Special Firefighting procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual fire and and explosions hazards: Emits toxic fumes under fire conditions

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: not required
Environmental precautions: no special measures required
Methods and material for containment and cleaning up: pick up mechanically

7. Handling and Storage

Handling Procedures and Equipment: Important for the user. Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure. Wear safety glasses, gloves and a lab coat, if necessary a safety mask
Storage Requirements: Suitable, storage at -20°C, keep container tightly closed.

8. Exposure Controls / Personal Protection

Exposure Limits: N/A
Specific Engineering Controls: Mechanical exhaust required.
Personal Protective Equipment: Respiratory protection is not required. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). If protection from nuisance levels of dusts is desired, use type N95 (US) or type P1 (EN 143) respirator. Wear appropriate government approved respirator, chemical resistant gloves, other protective clothing.

9. Physical and Chemical Properties

Physical State: Powder
Odor and appearance: N/A
Odor Threshold (ppm): N/A
Specific Gravity: N/A
Vapour Density (air=1): N/A
Vapour Pressure (mmHg): N/A
Evaporaton Rate: N/A
Boiling Point (°C): N/A
Freezing Point (°C): N/A
pH: N/A
Coefficient of water/ Oil Distribution: N/A
Solubility in water: N/A

10. Stability and Reactivity

Chemical Stability: Product is stable under recommended conditions.
Incompatibility with Other Substances: N/A
Reactivity, and under what conditions? N/A

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Hazardous Decomposition Products: N/A

11. Toxicological Information

Effects of Acute Exposure: N/A
Skin Sensization: Product may cause skin irritation

Effects of Chronic Exposure: N/A
Embrotoxicity: N/A

Carcinogenicity-IARC: N/A
Reproductive toxicity: N/A
Respiratory sensitization: Product may be harmful if inhaled
Name of synergistic products/effects: N/A

Carcinogenicity – ACGIH: N/A
Teratogenicity: N/A
Irritancy of Product: N/A
Mutagenicity: N/A

12. Ecological Information

Aquatic Toxicity: N/A

13. Disposal Considerations

Waste Disposal: Contact a licensed professional waste disposal service to dispose of this material.

14. Transport Information

Special Shipping Information: This substance is considered to be non-hazardous for transport
Product Identification Number: N/A
Proper Shipping Name (DOT): Not dangerous product

15. Regulatory Information

WHMIS: N/A
SARA: N/A

OSHA: N/A
TSCA: N/A

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

16. Other Information

The product is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. *peptides&elephants* shall not be held liable for any damage resulting from handling or from contact with the above product.