

MATERIAL SAFETY DATA SHEET

In compliance with 91/155/EEC

1. INFORMATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME: M5 CytoKERATIN 18

PRODUCT NUMBER: 10600

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2. COMPOSITION/INFORMATION ON INGREDIENTS

| Composition | Hazard* | Cas number | Concentration | Classification |
|-----------------------------|---------------|------------|---------------|---------------------------|
| Bovine Serum Albumine (BSA) | Non hazardous | 9048-46-8 | 0.1 % | N/A |
| Sodium Azide | Non hazardous | 26628-22-8 | 0.09 % | T+; R28; R32 N; R50/53 |
| M5 Monoclonal antibody | Non hazardous | N/A | 20 µg/200 µL | N/A |

Risk phrases:

R28: Very toxic if swallowed

R32: Contact with acids liberates very toxic gas.

R35: Cause severe burns.

R50/53: Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

* See section 3

3. HAZARDS IDENTIFICATION

Hazard description:

This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.

Material of animal origin: Should be considered as potentially infectious.

Sodium Azid: No hazardous when concentration < 0.1%.

4. FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical advice if needed.

Ingestion:

Flush mouth with plenty of water (do not swallow).
Never give anything to drink to an unconscious person. Seek medical advice if needed.

Eye contact:

Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses if any. Seek medical advice if needed.

Skin contact:

Avoid contact with skin. After contact with skin, wash skin immediately with plenty of water.
Seek medical advice if skin becomes irritated.

Clothes:

Take off immediately all contaminated clothing.

Others:

In case of accident or if you feel unwell, seek medical advice immediately.
Show the label where possible.

| 5. FIRE-FIGHTING MEASURES | |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguish media: | Wear fire extinguishing media appropriate for site conditions, preferably water spray, carbon dioxide, powder or foam. |
| Special exposure hazards: | No fire and explosion hazards. No generation of hazardous or toxic gases in dangerous quantities. |
| Protective equipment: | Self-contained breathing apparatus and protective clothing for fire fighting if necessary. |
| 6. ACCIDENTAL RELEASE MEASURES | |
| Personal precautions: | Use personal protective equipment. Evacuate personnel to safe areas. See section 7 and 8. |
| Environmental precautions: | Prevent soil and water pollution. Dispose of according to section 13. |
| Methods for cleaning up: | Absorb spills with absorbent material, dispose of according to section 13. |
| 7. HANDLING AND STORAGE | |
| Handling: | Protect from contamination. Wear personal protective equipment. |
| Storage: | Store in well closed original container at 2 – 8 °C . Do not freeze. |
| 8. EXPOSURE CONTROLS/PERSONAL PROTECTION | |
| Respiratory protection: | Respiratory protection is not required under normal use of this product. |
| Eye protection: | Wear suitable eye/face protection. |
| Hand protection: | Wear suitable gloves. |
| Skin protection: | Wear suitable protective clothing. |
| 9. PHYSICAL AND CHEMICAL PROPERTIES | |
| Physical state: | Liquid |
| Colour: | Colourless |
| Odour: | Odourless |
| pH: | N/A |
| Solubility in water | Soluble |
| 10. STABILITY AND REACTIVITY | |
| Stability: | Until expiry date stated on label if stored under specified conditions. |
| Reactivity/Hazardous decomposition products: | None. |
| Conditions/materials to avoid: | None. |
| 11. TOXICOLOGICAL INFORMATION | |
| Inhalation: | No additional data is available. |
| Skin: | No additional data is available. |
| Oral: | No additional data is available. |
| Eye: | No additional data is available. |
| Mutagenic effects: | No data is available on the product itself. |
| Reproductive toxicity: | No data is available on the product itself. |
| Carcinogenic effects: | No data is available on the product itself. |

12. ECOLOGICAL INFORMATION

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|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ecotoxicity : | This product has no known eco-toxicological effects. |
| Aquatic toxicity effects: | The product itself has no known effects to the aquatic environment, but the product contains very small amounts (0.09 %) of a substance very toxic to the aquatic organisms and may cause long-term effects to the aquatic environment. |
| Bioaccumulation: | No data available. |
| Mobility: | No data available. |
| Degradation: | No data available. |

13. DISPOSAL CONSIDERATIONS

Waste disposal must be in accordance with appropriate Federal, State and local environmental regulations.

14. TRANSPORT INFORMATION

No subject for transport regulations (RID/ADR, IMDG, IATA).

15. REGULATORY INFORMATION AND CONSIDERATIONS

The product does not contain a hazardous ingredient in an amount that requires identification and labelling according to EC directives.

16. OTHER INFORMATION**Recommended use:**

For research use only.

All material from animal origin has been collected from healthy animals.

The information provided in this MSDS is to information and belief at the date of the publication the best of our knowledge.

PEVIVA AB shall not be held liable for any damage resulting from handling or contact with this product.

See Instruction for use for information and intended use of this product.

N/A = Not applicable or no information.