

IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING 1. 1.1 **Product Identifiers** Product Name: Human Granzyme K Alexa Fluor® 405-conjugated Antibody Catalog Number: IC10216V Relevant identified uses of the substance or mixture and uses advised against Identified Uses: For research use only. 1.2 Details of the supplier of the safety data sheet R&D Systems, Inc. a Bio-Techne Brand 1-800-343-7475 Company: Telephone: 614 McKinley Place NE Fax. 1-612-656-4400 Minneapolis, MN 55413, USA Internet: www.rndsvstems.com Email address: info@bio-techne.com Canada: 21 Canmotor Avenue Telephone: 1-855-668-8722 Toronto, Ontario M8Z4E6 Fax: 902-827-6402 Canada Email address: Canada.inquiries@bio-techne.com United Kingdom: 19 Barton Lane Telephone: 44 (0)1235 529449 Abingdon Science Park Fax. 44 (0)1235 533420 Abingdon, OX14 3NB Email address: info.emea@bio-techne.com China 1193 Changning Road Telephone: 86-400-821-3475 Unit 1901, Raffles City Changning Office Fax: 76 (021) 52371001 Shanghai Email address techsupport.cn@bio-techne.com 1.3 **Emergency Telephone Number** For chemical emergency, spill, leak, fire, exposure, or accident call CHEMTREC day or night: Within U.S. 1-800-262-8200 Worldwide 1-703-741-5500 Bio-Techne Tel: US: 612-379-2956 or 800-343-7475 / Europe: +44(0)1235-529449 / China 86-400-821-3475 HAZARDS IDENTIFICATION 2. Classification of the substance or mixture 21 This substance does not meet the classification criteria according to Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]. 2.2 Label Elements This product does not need to be labelled in accordance with Regulation (EC) No 1272/2008 [GHS/CLP] or 29 CFR 1910.1200 [OSHA]. 2.3 Other Hazards - None COMPOSITION/INFORMATION ON INGREDIENTS 3. 3.1 Substances Not applicable. 32 Mixtures This product does not contain hazardous chemicals at concentrations of 1% or greater. This product is not known to contain carcinogens at concentrations of 0.1% or greater. FIRST AID MEASURES 4. 4.1 **Description of first aid measures** General Advice Consult a doctor and show this safety data sheet. If Inhaled Remove to fresh air and monitor breathing. In Case of Skin Contact Wash skin with soap and water. If irritation occurs, consult a doctor. In Case of Eye Contact Flush with water for at least 15 minutes. If irritation occurs, consult a doctor. If Swallowed Rinse mouth with water. Consult a doctor if you feel unwell. 4.2 Most important symptoms and effects, both acute and delayed To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated. 4.3 Indication of immediate medical attention and special treatment needed Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

In combustion, may emit toxic fumes.

5.3 Precautions for fire-fighters

Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

6. ACCIDENTIAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.

6.2 Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under section 13 of SDS.

6.4 Reference to other sections

For required PPE see section 8. For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.

7.3 Specific end uses

6.3

Not applicable.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate Engineering Controls

Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

Personal Protective Equipment

Eye / Face Protection

Use appropriate safety glasses.

Skin Protection

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

Body Protection

Wear appropriate protective clothing.

Respiratory Protection

If risk assessment indicates necessary, use a suitable respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| Appearance | Lyophilized white powder or clear liquid | Vapor Pressure | No data available. |
|---------------------------|--|---------------------------|--------------------|
| Odor | Little to none. | Vapor Density | No data available. |
| Odor Threshold | No data available. | Relative Density | No data available. |
| рН | No data available. | Solubility | No data available. |
| Melting / Freezing Point | No data available. | Partition Coefficient | No data available. |
| Boiling Point / Range | No data available. | Autoignition Temperature | No data available. |
| Flash Point | No data available. | Decomposition Temperature | No data available. |
| Evaporation Rate | No data available. | Viscosity | No data available. |
| Flammability (Solid, Gas) | No data available. | Explosive Properties | No data available. |

| Notice surface Image: Notice states and the surface of the states of the sta | | Explosive Limits | No data available. | Oxidizing Properties | No data available. | | | |
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| Note:::::::::::::::::::::::::::::::::::: | 9.2 | Other safety information | | | | | | |
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| Inhalation:No known symptoms.Ingestion:No known symptoms.Skin:No known symptoms.Eyes:No known symptoms.Delayed/Immediate Effects:No known symptoms.Additional InformationClassified based on available data. | | Classified based on available | e data. | | | | | |
| Ingestion: No known symptoms. Skin: No known symptoms. Eyes: No known symptoms. Delayed/Immediate Effects: No known symptoms. Additional Information Immediate Effects. Classified based on available data. Immediate Effects. | | | osure | | | | | |
| Skin: No known symptoms. Eyes: No known symptoms. Delayed/Immediate Effects: No known symptoms. Additional Information Classified based on available data. | | Inhalation: | No known symptoms. | | | | | |
| Eyes: No known symptoms. Delayed/Immediate Effects: No known symptoms. Additional Information Classified based on available data. | | Ingestion: | No known symptoms. | | | | | |
| Delayed/Immediate Effects: No known symptoms. Additional Information Classified based on available data. | | Skin: | No known symptoms. | | | | | |
| Additional Information Classified based on available data. | | Eyes: | No known symptoms. | | | | | |
| Classified based on available data. | | Delayed/Immediate Effects: No known symptoms. | | | | | | |
| | | Additional Information | | | | | | |
| | | Classified based on available data. | | | | | | |
| | 12 | | | | | | | |

12. ECOLOGICAL INFORMATION

Upper / Lower Flammability or

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

Contaminated Packaging

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA.

14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

14.3 Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

14.6 Special precautions for users

Does not meet the criteria for classification as hazardous for transport.

Additional Transport Information

Does not meet the criteria for classification as hazardous for transport.

15. REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 and 29 CFR 1910.1200 [OSHA].

15.1 Safety, health, and environmental regulations/legislation specific for the substance or mixture

TSCA (Toxic Substances Control Act): Not applicable. SARA 313: Not applicable. SARA 311/312: Not applicable. CERCLA Reportable Quantity: Not applicable.

California Proposition 65: Not applicable.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

16. OTHER INFORMATION

Further Information

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This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet