Safety data sheet

NutriCulture Colorimetric Caspase-8 Activity Assay Kit

Product name NutriCulture Colorimetric Caspase-8 Activity Assay Kit	Catalog no. C8A100
Synonyms Caspase-8 colorimetric activity assay kit	SDS revision -
CAS no. -	Format version / date 1.0 / 24 October 2026

01 PRODUCT AND COMPANY IDENTIFICATION

Product identifier	NutriCulture Colorimetric Caspase-8 Activity Assay Kit
Product code	C8A100
CAS number	-
EC number	-
Recommended use	Research use only; measurement of caspase-8 activity in cell lysates by colorimetric assay.
Supplier	EcoTech Biotechnology
Website	www.ecotechbiotech.com
Address	Universite Mah. Ipekyolu Cad. Ata Teknokent Sitesi B Blok No: Z10, Yakutiye, Erzurum, Türkiye
Telephone	0090 544 327 34 97
SDS contact	info@ecotechbiotech.com
Emergency telephone	0090 544 327 34 97
Available	Monday-Saturday/08:00-20:00/GMT+3
Languages	Turkish/English
Outside these hours	Contact: info@ecotechbiotech.com

02 HAZARDS IDENTIFICATION

Classification	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 (CLP).
Label elements	No hazardous labeling required.
Symbols / pictograms	None
Signal word	None
Hazard statements	None
Precautionary statements	No precautionary statements required under CLP; observe good laboratory hygiene.
Other hazards	Kit contains no PBT/vPvB or endocrine-disrupting components at concentrations of 0.1% or higher.

Composition & response

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03 COMPOSITION / INFORMATION ON INGREDIENTS

Product name	NutriCulture Colorimetric Caspase-8 Activity Assay Kit
Synonyms	Colorimetric caspase-8 activity detection assay
Concentration	-
Formula	Not applicable - multi-component assay kit.
Molecular weight	Not applicable - mixture of reagents.
Mixture	Caspase-8 colorimetric assay reagents.
Disclosure statement	Kit-level CLP classification: not hazardous. Detailed composition and additional component hazards must be evaluated using individual component SDSs.

04 FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Move to fresh air if aerosol or mist has been inhaled. Obtain medical advice if symptoms persist.
Ingestion	Rinse mouth with water. Do not induce vomiting. Consult a physician if unwell.
Skin contact	Remove contaminated clothing and wash skin thoroughly with soap and water.
Eye contact	Rinse cautiously with water for at least 15 minutes; remove contact lenses if easy. Obtain medical advice if irritation persists.
Immediate medical attention / treatment	Treat symptomatically and provide kit/component identification to medical personnel.

05 FIREFIGHTING MEASURES

Suitable extinguishing media	Water spray, dry powder, carbon dioxide or foam appropriate to surrounding fire.
Special hazards arising from the substance or mixture	Thermal decomposition may produce irritating or hazardous fumes; composition is not fully established.
Advice for firefighters	Wear self-contained breathing apparatus and appropriate protective equipment.
Further information	Cool exposed containers with water spray if safe to do so.

Safe use & protection

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06 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid exposure to spilled reagents and inhalation of aerosols. Wear gloves, safety glasses and laboratory coat. Ventilate the area.
Environmental precautions	Prevent undiluted reagent from entering drains, soil and surface waters.
Methods and materials for containment and cleaning up	Absorb liquids with inert material, collect in sealed labeled containers and clean residual contamination according to local procedures.
Reference to other sections	See Sections 8 and 13.

07 HANDLING AND STORAGE

Precautions for safe handling	Use good laboratory practice. Avoid skin and eye contact, ingestion and aerosol formation. Do not mix with unrelated chemicals.
Conditions for safe storage	Store tightly closed at -20 °C.

08 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Refer to individual component SDSs for occupational exposure limits.

8.2 Exposure controls

Engineering measures	Ensure adequate laboratory ventilation and access to an eyewash station.
Hygiene measures	Do not eat, drink or smoke while handling. Wash hands after use.
Eye / face protection	Wear safety glasses with side shields or chemical splash goggles.
Hand protection	Wear appropriate chemical-resistant disposable gloves; replace if contaminated.
Skin and body protection	Wear laboratory coat and suitable closed footwear.
Respiratory protection	Normally unnecessary for small-volume pipetting with adequate ventilation; assess if aerosols are generated.

Material properties

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09 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Multi-component kit
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Solubility(ies)	No data available
Partition coefficient: n-octanol / water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10 STABILITY AND REACTIVITY

Reactivity	No formulation-specific data available.
Chemical stability	Store at -20 °C in tightly closed containers; avoid repeated freeze-thaw cycles and exposure of light-sensitive components.
Possibility of hazardous reactions	No formulation-specific data available.
Conditions to avoid	Heat, light exposure for substrate/standard, repeated freeze-thaw cycles, contamination and incompatible chemicals.
Incompatible materials	No product-specific data available; avoid strong oxidants until compatibility is confirmed.
Hazardous decomposition products	May include irritating fumes during thermal decomposition.

Health & environment

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11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available for complete kit.
Skin corrosion / irritation	Not determined for complete kit.
Serious eye damage / eye irritation	Not determined for complete kit.
Carcinogenicity	No complete-kit assessment available.
Reproductive toxicity	No complete-kit assessment available.
STOT - SE	No data available.
STOT - RE	No data available.
Aspiration hazard	No data available.

11.2 Potential health effects

Ingestion: No kit-specific toxicity data available.
Inhalation: No kit-specific toxicity data available.
Skin: No kit-specific toxicity data available.
Eyes: No kit-specific toxicity data available.

11.3 Additional information

No additional information is available.

12 ECOLOGICAL INFORMATION

Ecotoxicity	No complete-kit data available.
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT and vPvB assessment	No PBT or vPvB components at 0.1% or higher.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product	Dispose of kit reagents and contaminated absorbents as laboratory chemical waste in accordance with applicable requirements. Do not discharge to drains.
Contaminated packaging	Dispose of in compliance with local regulations; do not reuse empty containers.

Transport & reference

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14 TRANSPORT INFORMATION

Mode	UN no.	UN proper shipping name	Hazard class	Packing group	Environmental hazards
ADR/RID	-	Not dangerous goods	-	-	No
IMDG	-	Not dangerous goods	-	-	No
IATA	-	Not dangerous goods	-	-	No

15 REGULATORY INFORMATION

Regulatory information	Regulation (EC) No. 1907/2006 (REACH), Annex II as amended by Regulation (EU) 2020/878; Regulation (EC) No. 1272/2008 (CLP).
Safety, health and environmental regulations / legislation	Not classified as hazardous under CLP for the equivalent Sigma CASP8C kit. Refer to individual component SDSs for substance-specific regulatory requirements.
Chemical Safety Assessment	Not carried out for the reference kit.

16 OTHER INFORMATION

Key to abbreviations and acronyms

STOT-SE	Specific Target Organ Toxicity - Single Exposure
STOT-RE	Specific Target Organ Toxicity - Repeated Exposure
PBT	Persistent Bioaccumulative and Toxic
vPvB	very Persistent very Bioaccumulative and toxic
ADR	European Agreement concerning the international carriage of Dangerous goods by Road
CAS	Chemical Abstracts Service
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime code for Dangerous Goods
REACH	Registration, Evaluation, Authorization and restriction of Chemicals
RID	Regulations concerning the International transport of Dangerous goods by rail