



SAFETY DATA SHEET

Cat. No. CTG-AP0008, Hoechst 33342/Propidium Iodide Apoptosis Assay Kit ISSUE DATE MAY 3, 2019

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hoechst 33342/Propidium Iodide Apoptosis Assay Kit
PRODUCT CODES: Cat. No. CTG-AP0008
MANUFACTURER: Celltechgen LLC
ADDRESS: 14780 Memorial Drive, Suite 210, Houston, TX 77079, United States
EMERGENCY PHONE: 1-877-994-4100
CHEMTREC PHONE:
OTHER CALLS: 281-531-7940
Email: info@celltechgen.com

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

The product is a kit consisting of individual ingredients. The classification of the ingredients can be obtained from section 3. Section Label elements contains the resulting labelling for the kit

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

GHS Classification

Not a hazardous substance or mixture.

SECTION 4: FIRST AID MEASURES

General advice: Move out of dangerous area.

Show this material safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled: Call a physician or poison control center immediately.

Move to fresh air.

If unconscious, place in recovery position and seek medical advice.

In case of skin contact: If on skin, rinse well with water.

In case of eye contact: Flush eyes with water as a precaution.

Remove contact lenses.

Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed: Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.



Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed: No information available.

Notes to physician: The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High volume water jet

Specific hazards during fire : Do not allow run-off from fire fighting to enter drains or water fighting courses.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Ensure adequate ventilation.

Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Advice on safe handling: Avoid formation of aerosol.
Do not breathe vapors/dust.
Avoid exposure - obtain special instructions before use.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Electrical installations / working materials must comply with the technological safety standards.



Technical measures/Precautions: See label, package insert or internal guidelines

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate Engineering Controls

No special requirements under ordinary conditions of use and with adequate ventilation.

Individual protection measures, such as personal protective equipment

General information: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection: Chemical resistant gloves Suitable gloves can be recommended by the glove supplier. Wash hands after contact.

Other: Wear a lab coat or similar protective clothing.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hygiene measures: Observe good industrial hygiene practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Hoechst 33342

Appearance:	liquid
Color:	Yellow
Odor:	Odorless
Odor Threshold:	No data available
pH:	7.2
Melting point/range:	No data available
Boiling point/boiling range:	No data available
Flash point:	does not flash
Evaporation rate:	No data available
Flammability (liquids):	The product is not flammable.
Self-ignition :	No data available
Autoignition temperature:	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure:	No data available
Relative vapor density:	No data available
Relative density:	No data available
Density :	1.14 g/cm ³



Solubility(ies)

Water solubility: Soluble
Solubility in other solvents: No data available
Partition coefficient: noctanol/water: No data available
Decomposition temperature: No data available

Viscosity

Viscosity, dynamic: No data available
Viscosity, kinematic: No data available
Oxidizing properties: The substance or mixture is not classified as oxidizing.

Propidium Iodide

Appearance: liquid
Color: Green
Odor: odorless
Odor Threshold: No data available
pH: 6.0 - 7.0
Melting point/range: No data available
Boiling point/boiling range: No data available
Flash point: does not flash
Evaporation rate: No data available
Flammability (liquids): The product is not flammable.
Self-ignition : No data available
Autoignition temperature: No data available
Upper explosion limit: No data available
Lower explosion limit: No data available
Vapor pressure: No data available
Relative vapor density: No data available
Relative density: No data available
Density : 1.020 g/cm³

Solubility(ies)

Water solubility: completely miscible
Solubility in other solvents: No data available
Partition coefficient: noctanol/water: No data available
Decomposition temperature: No data available

Viscosity

Viscosity, dynamic: No data available
Viscosity, kinematic: No data available
Oxidizing properties: The substance or mixture is not classified as oxidizing.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.
Chemical stability: Stable under normal conditions.



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Possibility of hazardous reactions: No dangerous reaction known under conditions of normal use.
No decomposition if stored and applied as directed.
Conditions to avoid: No data available

Incompatible materials: No data available

Hazardous decomposition products: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

General information: No data on possible toxicity effects have been found.

Information on likely routes of exposure

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.

Inhalation: Limited inhalation hazard at normal work temperatures.

Skin Contact: Negligible irritation to skin at ambient temperatures.

Eye contact: Elevated temperatures or mechanical action may form vapors, mist, or fumes which may be irritating to the eyes, nose, throat, or lungs.

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: No data available.

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product: No data available.

Dermal Product: No data available.

Inhalation Product: No data available.

Repeated dose toxicity Product: not applicable

Skin Corrosion/Irritation Product: Based on available data, the classification criteria are not met.

Serious Eye Damage/Eye Irritation Product: No data available.

Respiratory or Skin Sensitization Product: Not a skin sensitizer.

Carcinogenicity Product: Based on available data, the classification criteria are not met.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):
No carcinogenic components identified

Germ Cell Mutagenicity

In vitro Product: not applicable

In vivo Product: not applicable

Reproductive toxicity Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure

Product: Based on available data, the classification criteria are not met.



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Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are not met.

Aspiration Hazard

Product: Based on available data, the classification criteria are not met.

Other effects: None known.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish Product: No negative effects on the aquatic environment are known.

Aquatic Invertebrates Product: No negative effects on the aquatic environment are known.

Chronic hazards to the aquatic environment:

Fish

Product: No negative effects on the aquatic environment are known.

Aquatic Invertebrates

Product: No negative effects on the aquatic environment are known.

Toxicity to Aquatic Plants

Product: No negative effects on the aquatic environment are known.

Persistence and Degradability

Biodegradation

Product: Expected to be readily biodegradable.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Other adverse effects: The product is not expected to be hazardous to the environment.

13. Disposal considerations

General information: Dispose of waste and residues in accordance with local authority requirements.

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

SECTION 14: TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 1556



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Proper shipping name : ARSENIC COMPOUND, LIQUID, N.O.S. (Cacodylic acid)

Class : 6.1

Packing group : III

Labels : 6.1

IATA-DGR

UN/ID No. : UN 1556

Proper shipping name : Arsenic compound, liquid, n.o.s. (Cacodylic acid)

Class : 6.1

Packing group : III

Labels :

Packing instruction (cargo aircraft): 663

Packing instruction (passenger aircraft): 655

IMDG-Code

UN number : UN 1556

Proper shipping name : ARSENIC COMPOUND, LIQUID, N.O.S.(Cacodylic acid)

Class : 6.1

Packing group : III

Labels : 6.1

EmS Code : F-A, S-A

Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Domestic regulation

49 CFR

UN/ID/NA number : UN 1556

Proper shipping name : Arsenic compounds, liquid, n.o.s.(Cacodylic acid)

Class : 6.1

Packing group : III

Labels : Class 6 - Toxic Substance (Division 6.1)

ERG Code : 152

Marine pollutant : no

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not listed.

SARA 302 Extremely Hazardous Substance



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None present or none present in regulated quantities.
SARA 304 Emergency Release Notification
None present or none present in regulated quantities.
SARA 311/312 Hazardous Chemical
None present or none present in regulated quantities.
SARA 313 (TRI Reporting)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations
US. California Proposition 65
No ingredient regulated by CA Prop 65 present.
US. New Jersey Worker and Community Right-to-Know Act
No ingredient regulated by NJ Right-to-Know Law present.
US. Massachusetts RTK - Substance List
No ingredient regulated by MA Right-to-Know Law present.
US. Pennsylvania RTK - Hazardous Substances
No ingredient regulated by PA Right-to-Know Law present.
US. Rhode Island RTK
No ingredient regulated by RI Right-to-Know Law present.

SECTION 16. OTHER INFORMATION

Issue Date: 5/13/2019
Version #: 2.1
Revision Information:
Source of information: European Chemicals Agency (ECHA): Information on Chemicals.
Further Information: No data available.

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