

## 1 Identification

### GHS Product Identifier

MultiCyt Apoptosis Kit - Caspase 3/7 Reagent

Contains: Caspase-3 Inhibitor Ac-DEVD-CHO, dimethylsulfoxide at a concentration not considered hazardous per classification according to regulation (EC)No1272/2008[CLP]

### Other means of identification

Product Numbers: 90053, 90054, 90155, 90156, 91034, 91035, 91036

### Recommended use of the chemical and restriction on use

**SU24** scientific research and development.

This product is manufactured and sold by IntelliCyt Corporation for research use only. The kit and components are not intended for diagnostic or therapeutic use.

### Supplier's details

IntelliCyt Corporation  
9620 San Mateo Blvd. NE  
Albuquerque, NM 87113  
USA

### Emergency phone number

+1 505-345-9075

## 2 Hazard(s) identification

### Classification of the substance or mixture

This product contains no hazardous constituents, or, the concentration of all chemical constituents are below the regulatory threshold limits described by the European Directive 91/155/EEC, and 93/112/EC.

### GHS label elements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Wash hands thoroughly after handling.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

### 3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Caspase-3 Inhibitor Ac-DEVD-CHO			0	
Dimethylsulfoxide	67-68-5	200-664-3	0	

### 4 First-aid measures

#### Description of necessary first-aid measures

**Eye Exposure:** Hold eye open and rinse slowly and gently flush with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Clothing and/or Skin Exposure:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice

**If Inhaled:** Move person to fresh air. Call a poison control center or doctor for further treatment advice.

**If Swallowed:** Call a poison control center or physician immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

#### Most important symptoms/effects, acute and delayed

Symptoms and effects unlikely to be acute or delayed.

#### Indication of immediate medical attention and special treatment needed, if necessary

No additional special treatment.

### 5 Fire-fighting measures

#### Suitable extinguishing media

**Extinguishing media:** Use water spray (fog), foam, dry powder, or carbon dioxide, as appropriate for surrounding fire and materials.

**Unsuitable extinguishing media:** Strong water jet.

#### Specific hazards arising from the chemical

No hazards.

#### Special protective actions for fire-fighters

As with any fire, fire fighters wear self-contained breathing apparatus and full protective gear to prevent contact with skin and eyes.

### 6 Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

If product is released or spilled, take proper precautions to minimize exposure by using appropriate personal protective equipment. Area should be adequately ventilated. Do not breathe mist/vapors/spray.

## Environmental precautions

Do not empty into drains. Avoid release to the environment.

## Methods and materials for containment and cleaning up

Dike area to contain spill. Maintain ventilation until all vapors have been eliminated. Take precautions as necessary to prevent contamination of ground and surface waters. If vials are crushed or broken, DO NOT CAUSE MATERIAL TO BECOME AIRBORNE. For small spills, wear gloves and soak up material with absorbent, e.g., paper towels. For large spills, cordon off spill area and minimize the spreading of spilled material. Soak up material with absorbent. Collect spilled material, absorbent, and rinse water into suitable containers for proper disposal in accordance with applicable waste disposal regulations (see Section 13). Decontaminate the area twice.

## 7 Handling and storage

### Precautions for safe handling

Use only in well-ventilated areas. Handle and open container with care. Always close containers tightly after removal of product.

Follow recommendations for handling pharmaceutical agents (i.e., use of engineering controls and/or other personal protective equipment if needed). Avoid contact with skin, eyes and clothing. Provide eye shower and label its location conspicuously. Wash hands and face before breaks and after working with product. When using product, do not eat, drink, smoke, sniff.

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Never allow this product to get in contact with water during storage. Do not store near acids. Heat sensitive. Store at 4°C.

## 8 Exposure controls/personal protection

### Control parameters

Facilities storing or using this material should be equipped with eyewash facility and a safety shower. Use process enclosures and local exhaust ventilation.

### Appropriate engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

### Individual protection measures

**Respiratory protection:** Respiratory protection is not required.

**Hand protection:** Handle with gloves. Inspect gloves prior to use.

Gloves: Natural latex, Natural rubber, Nitrile.

Use proper glove removal technique (without touching glove's surface) to avoid skin contact with this product.

Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

**Skin protection:** Choose skin protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. For this product wear lab coat.

**Eye/face protection:** Wear safety glasses with side shields, chemical splash goggles, or full face shield, if necessary. Base the choice of protection on the job activity and potential for contact with eyes or face. An emergency eye wash station should be available.

**Environmental Exposure Controls:** Avoid release to the environment and operate within closed systems wherever practicable. Air and liquid emissions should be directed to appropriate pollution control devices. In case of spill, do not release to drains. Implement appropriate and effective emergency response procedures to prevent release or spread of contamination and to prevent inadvertent contact by personnel.

**Other protective measures:** Wash hands in the event of contact with this product/mixture, especially before eating, drinking or smoking. Protective equipment is not to be worn outside the work area (e.g., in common areas or out-of-doors).

## 9 Physical and chemical properties

### Physical and chemical properties

Physical State	Liquid
Appearance	Clear
Odor	Odorless
Odor Threshold	N/A
pH	N/A
Melting Point/Range	N/A
Boiling Point/Range	N/A
Flash Point	N/A
Evaporation Rate	N/A
Flammability (solid,gas)	Non-flammable
Vapor Pressure	N/A
Vapor Density	N/A
Specific Gravity	N/A
Solubility	Soluble
Partition coefficient; n-octanol/water	N/A
Autoignition Temperature	N/A
Decomposition Temperature	N/A
Viscosity	N/A

## 10 Stability and reactivity

### Reactivity

Non-reactive.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No hazardous reactions.

### Conditions to avoid

None.

**Incompatible materials**

No incompatible materials.

**Hazardous decomposition products**

No hazardous decomposition.

**11 Toxicological information****Toxicological (health) effects**

Mild skin irritant.

**Numerical measures of toxicity (such as acute toxicity estimates)**

Dimethylsulfoxide

Oral	LD50	Oral 14500 mg/kg (rat)
Dermal	LD50	Dermal 40000 mg/kg (rat)
Inhalative	LC50/4 h Inhalative	40,25 mg/l (rat)

**Interactive effects**

No interactive effects.

**Information on the likely routes of exposure**

Absorbed through skin. Eye contact. Inhalation. Ingestion.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Skin contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Eye Contact:** No known significant effects or critical hazards.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Mutagenicity:** No evidence of a mutagenic effect.

**Teratogenicity:** No evidence of a teratogenic effect (birth defect).

**Sensitization:** No evidence of a sensitization effect.

**Reproductive:** No evidence of negative reproductive effects.

**12 Ecological information****Toxicity**

Avoid release into environment.

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

## 13 Disposal considerations

### Disposal methods

Dispose of waste according to directive 2008/98/EC, covering waste and dangerous waste. Do not send down the drain or flush down the toilet. All wastes containing the material should be properly labeled. Rinse waters resulting from spill cleanups should be discharged in an environmentally safe manner, e.g., appropriately permitted municipal or on- site wastewater treatment facility.

## 14 Transport information

### UN Number

N/A

### UN Proper Shipping Name

N/A

### Transport hazard class(es)

N/A

### Packing group, if applicable

N/A

### Environmental hazards

Non-hazardous

### Special precautions for user

N/A

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

N/A

## 15 Regulatory information

### Safety, health and environmental regulations specific for the product in question

#### EU Regulation (EC) No. 1907/2006 (REACH):

Annex XIV - List of substances subject to authorization:

Substances of very high concern: None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market, and use of certain dangerous substances, mixtures, and articles: Not applicable.

## 16 Other information

### Other information

The statements contained herein are offered for informational purposes only and are based upon technical data. IntelliCyt Corporation believes them to be accurate at the date of publication, but does not purport to be all-inclusive. The above-stated product is intended for use only by persons having the necessary technical skills and facilities for handling the product at their discretion and risk. Since conditions and manner of use are outside our control, we (IntelliCyt Corporation) make no warranty of merchantability or any such warranty, express or implied with respect to information and we assume no liability resulting from the above product or its use. Users should perform their own investigations to determine suitability of information and product for their particular purposes.