

# SAFETY DATA SHEET (SDS)

## 1. Product Identification:

<b>Product Name:</b>	NATtrol Varicella Zoster Virus (VZV) (Strain: Ellen)
<b>Catalog Number:</b>	NATVZV-0001, NATVZV-0002, NATVZV-0003, NATVZV-0004, NATVZV-0005
<b>Product ID Number (CAS #):</b>	Not Applicable.
<b>Intended use of the product:</b>	For research or further manufacturing only. Not for use in diagnostic procedures.
<b>Manufacturer:</b>	ZeptoMetrix Corporation 878 Main Street
<b>Address:</b>	Buffalo, New York 14202 United States of America
<b>Telephone:</b>	(716) 882-0920 or 1 (800) 274-5487 (US Toll Free)

## 2. Hazard(s) Identification:

<b>Classification:</b>	This product is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
<b>Hazard Pictograms</b>	None.
<b>Signal word:</b>	None.
<b>Hazard statements:</b>	None.
<b>Precautionary statement:</b>	None.
<b>Other hazards:</b>	May present unknown hazards and should be handled as if capable of transmitting infectious agents. Use universal precautions.
<b>Unknown acute toxicity:</b>	No unknown acute toxicity.

## 3. Composition/Information on Ingredients:

<u>Component Name</u>	<u>CAS Number</u>	<u>Concentration</u>	<u>Classification</u>
Trade Secret – Undisclosed Identity	Not Applicable	Not Applicable	Not Applicable

## 4. First Aid/Emergency Measures:

<b><u>Description of first aid measures</u></b>	
<b>First-aid measures general:</b>	If you feel unwell, seek medical advice.
<b>First-aid measures after Eye Contact:</b>	Rinse cautiously with copious amounts of water for several minutes.
<b>First-aid measures after Skin Contact:</b>	Remove contaminated clothing and immediately rinse skin with copious amounts of water followed by washing with soap and copious amounts of water.
<b>First-aid measures after Ingestion:</b>	If the person is unconscious, seek emergency medical attention: never give anything by mouth to an unconscious person. If the person is conscious, wash mouth out with copious amounts of water and call a physician. Do not induce vomiting unless directed to do so by a physician.
<b>First-aid measures after Inhalation:</b>	If person is unconscious, seek emergency medical attention. If person is conscious, remove to fresh air and call a physician.
<b><u>Most important symptoms and effects, both acute and delayed</u></b>	
<b>Symptoms/injuries after Eye Contact:</b>	Seek medical assistance if persist.
<b>Symptoms/injuries after Skin Contact:</b>	Seek medical assistance if persist.
<b>Symptoms/injuries after Ingestion:</b>	Seek medical assistance if persist.
<b>Symptoms/injuries after Inhalation:</b>	Seek medical assistance if persist.
<b>Indication of any immediate medical attention and special treatment needed :</b> No special measures required.	

**5. Fire and Explosion Measures:**

<b><u>Extinguishing Media</u></b>	
Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding area.
Unsuitable extinguishing media:	Use an extinguishing agent suitable for the surrounding area.
<b><u>Special hazards arising from the substance or mixture</u></b>	
Fire hazard:	No known hazards.
Explosion hazard:	No known hazards.
Reactivity:	No known hazards.
<b><u>Advice for firefighters</u></b>	
Firefighting instructions:	Exercise caution when fighting a fire.
Protection during firefighting:	Firefighters should wear protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

**6. Accidental Release Measures:**

<b><u>Personal precautions, protective equipment and emergency procedures</u></b>	
General measures:	Use appropriate personal protective equipment (PPE) and appropriate laboratory procedures.
<b><u>For non-emergency personnel</u></b>	
Protective equipment:	Use appropriate personal protective equipment (PPE).
Emergency procedures:	Use appropriate emergency laboratory procedures.
<b><u>For emergency responders</u></b>	
Protective equipment:	Use appropriate personal protective equipment (PPE).
Emergency procedures:	Use appropriate emergency procedures.
<b><u>Methods and material for containment and cleaning up</u></b>	
For containment:	Contain material in accordance to State and Federal regulations.
Methods for cleaning up:	Follow and dispose of material in accordance to State and Federal waste disposal regulations.

**7. Handling and Storage:**

Precautions for safe handling:	Handle in accordance with good laboratory practices and safety procedures.
Storage conditions:	Store in a dry and cool place. Keep container closed when not in use.
Incompatible products:	No Data Available.
Incompatible materials:	No Data Available.
Storage:	Recommended storage temperature 2-8 degrees Celsius.

**8. Exposure Controls and Personal Protection:**

Appropriate engineering controls:	Use universal precautions. Product may present unknown biohazard.
Personal Protective Equipment:	Use laboratory coat, protective gloves, safety glasses and suitable protective clothing.
Pictograms:	
Eye/Face protection:	Wear in accordance with good laboratory practices and safety procedures.
Skin and body protection:	Wear in accordance with good laboratory practices and safety procedures.
Respiratory protection:	Wear in accordance with good laboratory practices and safety procedures.
Hand protection:	Wear in accordance with good laboratory practices and safety procedures.
Mechanical protection:	Wear in accordance with good laboratory practices and safety procedures.
Special work practices:	Follow purchaser's safety program.

**9. Physical and Chemical Properties:**

<b>Physical State:</b>	Liquid at room temperature.
<b>Appearance/color:</b>	Clear, pale amber solution.
<b>Odor:</b>	No Data Available.
<b>Odor threshold:</b>	No Data Available.
<b>pH:</b>	No Data Available.
<b>Melting point/freezing point:</b>	No Data Available.
<b>Boiling point:</b>	No Data Available.
<b>Flash point:</b>	No Data Available.
<b>Evaporation rate:</b>	No Data Available.
<b>Flammability:</b>	No Data Available.
<b>Upper/lower flammability or explosive limits:</b>	No Data Available.
<b>Vapor pressure:</b>	No Data Available.
<b>Vapor density:</b>	No Data Available.
<b>Relative density:</b>	No Data Available.
<b>Solubility(ies):</b>	No Data Available.
<b>Partition coefficient:</b>	No Data Available.
<b>Auto-ignition temperature:</b>	No Data Available.
<b>Decomposition temperature:</b>	No Data Available.
<b>Viscosity:</b>	No Data Available.
<b>Other information:</b>	No Data Available.

**10. Stability and Reactivity:**

<b>Reactivity:</b>	No Data Available.
<b>Chemical stability:</b>	The product is stable.
<b>Possibility of hazardous reactions:</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid:</b>	No Data Available.
<b>Incompatible materials:</b>	No Data Available.
<b>Hazardous decomposition products:</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. Toxicological Information:**

<b>Skin corrosion/irritation:</b>	No Data Available.
<b>Eye damage/irritation:</b>	No Data Available.
<b>Respiratory damage/irritation:</b>	No Data Available.
<b>Ingestion damage/irritation:</b>	No Data Available.
<b>Specific target organ toxicity (single exposure):</b>	No Data Available.
<b>Specific target organ toxicity (repeated exposure):</b>	No Data Available.
<b>Numerical measure of toxicity:</b>	No Data Available.
<b>Symptoms/injuries after skin contact:</b>	No Data Available.
<b>Symptoms/injuries after eye contact:</b>	No Data Available.
<b>Symptoms/injuries after inhalation:</b>	No Data Available.
<b>Symptoms/injuries after ingestion:</b>	No Data Available.

**12. Ecological Information:**

<b>Ecotoxicity:</b>	No Data Available.
<b>Persistence and degradability:</b>	No Data Available.
<b>Bioaccumulative potential:</b>	No Data Available.
<b>Mobility in soil:</b>	No Data Available.
<b>Other adverse effects:</b>	No Data Available.

**13. Disposal Information:**

<b>Waste disposal recommendations:</b>	Dispose of material in accordance to local, State and Federal waste disposal regulations.
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**14. Transport Information:**

UN number	Not Regulated.
UN proper shipping name	Not Regulated.
Hazard Class	Not Applicable.
Packing group	Not Applicable.
Environmental hazards	Not Applicable.
Transport in bulk (According to MARPOL 73/78 and IBC Code)	Not Applicable.
Special precautions	None.

**15. Regulatory Information:**

SARA 311/312:	Not listed.
Canadian WHMIS Classification:	No Information Available.
REACH (Regulation (EC) 1907/2006):	This product complies with or is exempted from the registration process.
RoHS (Directives 2011/65/EU and 2015/863):	This product complies with or is exempted from the registration process.
WEEE (Directive 2012/19/EU):	This product complies with or is exempted from the registration process.
California Proposition 65:	This product does not contain chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

**16. Other Information:**

Preparation Date	2018/03/12
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