

MATERIAL SAFETY DATA SHEET

in vivo-jetPEI™ delivery reagent



SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: *in vivo-jetPEI*™
Catalogue Numbers: 201-XX
Class Identifier: Delivery reagent

Company Identification: POLYPLUS-TRANSFECTION SA
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SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

Polyethylenimine in water.

SECTION 3 - HAZARDS IDENTIFICATION

We are not aware of any hazards for the above product.

SECTION 4 - FIRST AID MEASURES

Eyes:

Extensive irrigation with water is required (at least 30 minutes) and seek medical advice. Do not allow victim to rub or keep eyes closed.

Skin:

Immediately wash skin with plenty of water for at least 15 minutes. Get medical advice if irritation develops.

Ingestion:

Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Inhalation:

Remove to fresh air immediately. If breathing is difficult, get medical aid.

SECTION 5 - FIRE FIGHTING MEASURES

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Use extinguishing media appropriate to the surrounding fire. Substance is non-combustible.

Extinguishing Media:

Substance is non-combustible; use agent most appropriate to extinguish surrounding fire. Cool containers with flooding quantities of water until well after fire is out. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Absorb spill using an absorbent, non-combustible material such as earth, sand, or vermiculite. Do not use combustible materials such as saw dust. Provide ventilation.

SECTION 7 - HANDLING and STORAGE

Handling:

Wash thoroughly after handling. Wash hands before eating. Keep container tightly closed. Use with adequate ventilation.

Storage:

Keep container closed when not in use. Store at -20 °C.

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SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Gloves, protective clothing or eyewear are recommended in accordance with all applicable state and local regulations.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: liquid

Appearance: colorless solution

pH: 2.5 – 3.0

Solubility: Water

Boiling point: 100°C

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable at -20°C in closed containers under normal storage and handling conditions.

Incompatibilities with Other Materials: Unknown.

Hazardous Decomposition Products: Unknown.

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Water: Oral/rat, LD50 > 90 mL/kg

Other substances: Data not yet available

SECTION 12 - ECOLOGICAL INFORMATION

Data not yet available

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

CONTACT POLYPLUS-TRANSFECTION COMPANY FOR DELIVERY INFORMATION.

SECTION 15 - REGULATORY INFORMATION

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

None of the chemicals in this product are considered highly hazardous by OSHA.

SECTION 16 - ADDITIONAL INFORMATION

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.