

# Safety Data Sheet

Issue date 04/01/2017

Reviewed on 04/01/2017

## SECTION 1: IDENTIFICATION

**Product code:** 60-05/10/20, 70-05/10/20  
**Product name:** In Vivo DNA-Fect, In Vivo RNA-Fect  
**Packing:** 05. or 1.0 mL/vial  
**Product Application:** Transfection Reagent  
**Product Description:** Laboratory Chemical  
**Identified uses:** Use only for research, not for diagnostic procedures

**Manufacture/Supplier**  
 RJH Biosciences Inc.  
 Edmonton, AB  
 www.rjhbiosciences.com  
**Phone:** (780) 270-5267

**Emergency:** 1 – 780 – 270 – 5267

## SECTION 2: HAZARDS IDENTIFICATION

**GHS Classification:** The product is classified and labeled based on the Globally Harmonized System (GHS)

**Signal Word** Warning

**Hazard Statements**

**Physical/ Health Hazard** H302 + H312, H341, H315 + H320 Causes skin and eye irritation, harmful if absorbed through skin or swallowed

**Precautionary Statements**

**Prevention** P260, P280, P285, P264 Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling

**Response/first aid measure**

**If on skin/Eyes** P302+P352, P305B IF ON SKIN: Wash with soap and water, rinse thoroughly with water, IF IN EYES, Separate eyelids with fingertips, remove contact lenses if worn, Rinse thoroughly under running water.

**Inhalation** P304+P340, P310 May be harmful on inhalation. Not expected to be an inhalation hazard, keep comfortable breathing, Consult a physician if necessary.

**Ingestion** P301+P330+P331 May be harmful if swallowed. Not expected to present a significant ingestion under anticipated conditions. Rinse mouth, provide fresh air If you feel unwell, seek medical advice

**Symptoms and effects** No further relevant information available

**Notes to Physician** Treat symptomatically

**Storage** P405 Store locked up, Keep in a dry and cool places at 4°C

**Disposal** P501 Dispose the contents in accordance with institutional practices and local, state or federal regulations

**Specific effects**

**Carcinogenic effects** No data available

**Sensitization** No data available

**Mutagenic effects** No data available

**Target Organ Effects** No known effects

**Reproductive toxicity** No data available

**Hazardous Materials Identification System (HMIS)**

**Health** 0      **Flammability** 0      **Reactivity** 0

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Non-hazardous component** Ultra-pure DNase/RNase free distilled water (100%)

**Chemical characterization** Polymer solution in non-hazardous components, water

**Additional information** The composition of the polymers is considered proprietary and it is withheld in accordance with the provisions of Trade Secrets

## SECTION 4: TOXICOLOGICAL INFORMATION

This product does not contain any substances considered to be hazardous to health.

<b>Acute Toxicity</b>	No toxicology information is available.	<b>Carcinogenic effects</b>	No data available.
<b>Eyes</b>	May cause eye irritation	<b>Mutagenic effects</b>	No data available.
<b>Skin</b>	May cause skin irritation	<b>Reproductive toxicity</b>	No data available.
<b>inhalation</b>	May be harmful by inhalation.	<b>Sensitization</b>	No data available.
<b>Ingestion</b>	May be harmful if swallowed.		

## SECTION 5: EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Engineering measures</b>	Ensure adequate ventilation, especially in confined areas
<b>Personal Protective Equipment</b>	It depends on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material is used.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection</b>	Impervious gloves
<b>Eye protection</b>	Wear safety glasses with side shields (or goggles)
<b>Skin and Body Protection</b>	Lightweight protective clothing
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	No special environmental precautions required

## SECTION 6: PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Liquid	<b>Oxidizing properties</b>	No data available
<b>Appearance</b>	Transparent	<b>Upper explosion limit</b>	No data available
<b>Odor</b>	None	<b>Lower explosion limit</b>	No data available
<b>Odor Threshold</b>	No data available	<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Boiling point / boiling range</b>	No data available	<b>Vapor Pressure</b>	No data available
<b>Melting point / melting range</b>	No data available	<b>vapor density</b>	No data available
<b>flash point</b>	No data available	<b>Viscosity</b>	No data available
<b>Autoignition Temperature</b>	No data available	<b>pH value</b>	6 to 8
<b>Evaporation rate</b>	No data available		
<b>Flammability (solid, gas)</b>	No data available		

## SECTION 7: STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions
<b>Materials to avoid</b>	No dangerous reaction known under conditions of normal use
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported
<b>Hazardous decomposition products</b>	None under normal use conditions
<b>Polymerization</b>	Hazardous polymerization does not occur
<b>Conditions to avoid</b>	None under normal processing

## SECTION 8: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Contains no substances known to be hazardous to the environment		
<b>Mobility</b>	No information available		
<b>Biodegradation</b>	No information available	<b>Bioaccumulation</b>	No information available

## SECTION 9: OTHER INFORMATION

**Reason for revision** SDS sections updated.

**For Research Use Only, Not for use in diagnostic procedures.**

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