

Novel Juice

Supplied in 6X Loading Buffer

1. IDENTIFICATION OF THE PREPARATION/SUBSTANCE AND OF THE COMPANY

Product Name: Novel Juice – buffered aqueous solution.

Product Code: LD001-1000, LD001-0050

Use of the preparation:

For laboratory use.

Company identification: GeneDirex, Inc.

Website: www.genedirex.com.

2. COMPOSITION/ INFORMATION ON INGREDIENTS

GHS – Classification

Signal Word	None
Health hazards	Not classified
Hazard Statements	Not Applicable
Precautionary Statements Prevention	Not Applicable
Response	Not Applicable
Storage	Not Applicable
Disposal	Not Applicable
Precautionary Statements	Not Applicable

Principle Routes of Exposure Potential Health Effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.

Specific effects

Carcinogenic effects

None.

Mutagenic effects

None.

Reproductive toxicity

None.

Sensitization

None.

Target Organ Effects

No known effects under normal use conditions.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Dimethylsulfoxide	<0.01%	CAS# 67-68-5
Glycerol	<60 %	CAS# 56-81-5
Water	> 40% (v/v) EC#231-791-2	CAS#7732-18-5

4. FIRST AID MEASURES

Ingestion:

If swallowed, rinse mouth and throat thoroughly with water. Consult a doctor in the event of any complaints.

Inhalation:

If inhaled, remove victim from area of exposure. If symptoms of irritation or respiratory allergy occur, consult a doctor.

Skin contact:

Wash immediately and thoroughly with plenty of water.

Eye contact:

In case of contact, wash immediately and thoroughly with plenty of water. Consult a doctor in the event of any complaint.

5. FIRE-FIGHTING MEASURES

The preparation cannot cause fire. Suitable extinguishing agents:

Water spray, carbon dioxide, dry chemical powder or appropriate foam

Not suitable extinguishing agents none.

Special exposure hazards from decomposition products: Not thoroughly investigated.

Protective equipment: Wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear appropriate gloves (see Section 8), safety glasses to clean small releases/spillage. Avoid contact with skin and eyes.

In case of vapor/aerosol formation, wear suitable respiratory protection means. Ventilate the area.

Environmental precautions: No special measures required.

Methods for cleaning up:

Absorb spillages with liquid-binding material. Ventilate and wash the area after the spillage is completely removed.

Additional information: No dangerous substances are released.

7. HANDLING AND STORAGE

Handling: No further requirements. Keep in properly labeled containers.

Use appropriate personal protection measures (see Section 8).

Avoid any contact with the liquid. Avoid the formation of aerosols. Ventilate area.

Storage:

Store at 25°C or 4°C for up to 12 months

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that need to be monitored at the workplace.

General protective and hygienic measures:

The usual precautionary measures are the same as for chemicals handling.

Engineering measures:

Ensure adequate ventilation, especially in the confined areas.

Personal protection:

Respiratory protection: Wear suitable respiratory equipment.

Hand protection:

Wear rubber gloves. No special requirements for the rubber gloves.

Eye protection: Safety glasses are recommended.

Skin protection: The usual precautionary measures accepted in research laboratories, e.g. protective clothes (gowns).

No specific requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid. Color: Dark Green.

Odor: Odorless.

pH-value at 25°C: Not Applicable

Melting point / melting range: 18 - 19°C

Boiling point: 190°C.

Flash Point: 95°C.

Evaporation rate: No data available

Flammability (solid, gas): No data available

Explosive properties: The preparation does not possess explosive properties.

Oxidizing properties: Not applicable. Vapor pressure: Not applicable.

Solubility in/miscibility with water: Fully miscible. Fat solubility: Not applicable.

Vapor density: Not applicable.

Partition coefficient n-octanol/water: Not applicable.

Conductivity: Not applicable.

Viscosity: Not viscous.

10. STABILITY AND REACTIVITY

Stability: Stable under storage conditions (see Section 7).

Conditions to avoid: No conditions which may cause dangerous reactions. Possibility of hazardous reactions:

No dangerous reactions known.

Materials to avoid: No materials which may cause dangerous reactions.

Hazardous decomposition products: No dangerous decomposition products known. Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION**Routes of exposure:**

Inhalation: Inhalation of aerosols may cause allergic type reactions in sensitized individuals.

Ingestion: Repeated ingestion or excessive dosage may cause irritation of the gastrointestinal tract.

Skin and eye contact: May be irritating the skin and eyes. Avoid direct contact if possible.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects.

The product is not listed in a priority list as foreseen under Council Regulation (EEC)

12. ECOLOGICAL INFORMATION

Ecotoxicity Does not contain substances that are known to be harmful to the environment or cannot be decomposed at the wastewater treatment plant.

Liquidity is completely soluble.

Biodegradable biodegradable intrinsic properties.

Bioaccumulative substances are not bioaccumulative.

Toxicity:

Chemical Name	Toxicity to Fish	Daphnia Magna (WaterFlea)	Microtox Data	log Pow
Dimethylsulfoxide	LC50 33-37 g/L Oncorhynchus mykiss 96 h LC50= 41.7 g/L Cyprinus carpio 96 h LC50= 34 mg/L Pimephales promelas 96 h LC50> 40 g/L Lepomis macrochirus 96 h	EC50 = 7000 mg/L 24 h	No data available	logPow-2.03
Glycerol	LC50: 51 - 57 mL/L, 96h static (Oncorhynchus mykiss)	EC50: > 500 mg/L, 24h (Daphnia magna)	No data available	logPow-1.76

Persistence and degradability inherently biodegradable

Bioaccumulative potential Material does not bioaccumulate.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

The disposal of the product does not present a danger.

No special disposal methods required, except to be in accordance with current local environmental regulations.

14. TRANSPORT INFORMATION

Special precautions: None known.

Proper shipping name: Not dangerous goods according to transport regulations.

National transport regulations:

No additional national transport regulations are known to the supplier.

IMDG: Non-hazardous for sea freight.

ADR: Non-hazardous for road transport.

RID: Non-hazardous for rail transport.

ICAO/IATA: Non-hazardous for air transport.

Other information: The preparation may be stored in ice during the transportation.

15. REGULATORY INFORMATION

US

Labeling according to US Regulations: Caution: Avoid contact and inhalation. US Regulatory information:

Not Regulated by SARA.

Also Listed in TSCA, PICCS, ENCS, DSL, and AICS.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. GeneDireX, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.