

Physical state Liquid
 Odour: Non-applicable

Precautionary Statements – Prevention None

Precautionary Statements – Response
 None

Precautionary Statements – Storage
 None

Precautionary Statements - Disposal None

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity
 0 % of the mixture consists of ingredient(s) of unknown toxicity

Other information

None to Note

Interactions with Other Chemicals No
 information available.

COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health

COMPOSITION	CAS number	Concentration%
Dextrose Monohydrate	50-99-7	50
Ponceau 4R	2611-82-7	0.0015

Nipasept	5026-62-0	0.3
Magnesium Chloride	7786-30-3	0.45
Sodium Acetate anhydrous	127-09-3	7.54
Sodium Chloride	447-40-7	8
Potassium Chloride	447-40-7	1.5
Calcium Chloride	7440-70-2	0.5
Lutavit (Vitamin E)	10191-41-0	0.0001
Glycerine	56-81-5	4

COMMENTS: Product composition ranges shown are typical values

3. FIRST AID MEASURES

First aid measures

Eye contact	Seek medical advice if irritation develops or persists.
Skin contact	Seek medical advice if irritation develops or persists
Inhalation	Seek medical advice if breathing difficult develops or persists.
Ingestion	Seek medical advice if gastric distress develops.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects No information available.

Indication of any immediate medical attention and special treatment needed

Notes to Physician:

Treat symptomatically and supportively.

4. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

5. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions None to Note

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Pick up and transfer to properly labelled containers.

6. HANDLING AND STORAGE

Precautions for safe handling

Handling	Handle in accordance with good industrial hygiene and safety practice.
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Conditions for safe storage, including any incompatibilities

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Store in original sealed container, at room temperature, away from direct sunlight and heat. Do not allow to freeze. Shake well before use.
Incompatible Products	No data available

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies
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Appropriate engineering controls

Engineering Measures	Showers Eyewash stations Ventilation systems
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Individual protection measures, such as personal protective equipment

Eye/face protection	No special protective equipment required.
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Skin and body protection	No special protective equipment required.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, CEN approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.

8. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state	Liquid		
Appearance	Red	Odour	No information available
Colour	Red	Odour Threshold	No Information Available
<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>	
pH	6.9 – 7.7	None known	
Melting / freezing point	0°C	None known	

Boiling point / boiling range	100 °C / 212 °F	None known
Flash Point	5001 C / 9034 F	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapour pressure	No data available	None known
Vapour density	No data available	None known
Specific Gravity	1	None known
Water Solubility	Liquid fully soluble	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	
Oxidizing properties	No data available	

Other Information

Softening Point	No data available
VOC Content (%)	0
Particle Size	No data available
Particle Size Distribution	No data available

9. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Conditions to avoid

Low pH Acids which may cause hazardous gas.

Incompatible materials

None known based on information supplied. Hazardous

Decomposition Products

None known based on information supplied.

10. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information	.
Inhalation	Not Available
Eye contact	No known hazards in normal use
Skin contact	No known hazards in normal use

Ingestion	Specific test data for the substance or mixture is not available.
Component Information	No information available

Information on toxicological effects

Symptoms	No known hazards in normal use
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	No known hazards in normal use
Mutagenic Effects	No known hazards in normal use
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Target Organ Effects	None known.
Aspiration Hazard	No information available.

Numerical measures of toxicity Product Information

11. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

Persistence and Degradability No information available.

Bioaccumulation
No information available

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods

Dilute with water and flush to sewer if local ordinances allow, otherwise, whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Contaminated Packaging

Dispose of contents/containers in accordance with local regulations.

14. TRANSPORT INFORMATION

No Specific Transport Requirements are necessary.

15. REGULATORY INFORMATION

International Inventories

Special Provisions:

Non-applicable

16. OTHER INFORMATION

Prepared By	Cf Pharma Ireland Ltd Unit 73B Hebron Industrial Estate Kilkenny Ireland
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Revision Note	No information available

Disclaimer

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End of Safety Data Sheet