

# SAFETY DATA SHEET

Infant 3  
DNA Diagnostic A/S

Revised: 2022.10.11  
Replaces: 2022.06.29

## 1. Product Identification

**Product names:**

Infant 3

**Catalog no's.:**

IN3, IN3E, IN3L, IN3EL

**Chemical names, common names:**

Not applicable

**Product use:**

The kit is for detection of *Cronobacter spp.*, *Salmonella spp.* and *Enterobacteriaceae* in infant formula powder and ingredients for infant formula.

**Synonyms:**

Not applicable

**Manufacturer's name:**

DNA Diagnostic A/S

**Address:**

Voldbjergvej 14  
DK-8240 Risskov  
Denmark

**Business phone:** +45 8732 3050

**Web:** [www.dna-diagnostic.com](http://www.dna-diagnostic.com)

**Emergency phone:** Use your local number

## 2. Hazards identification

**Classification of the substance or mixture according to 1272/2008 CLP**

Not classified.

**Label Elements 1272/2008 CLP**

Not classified.

**Other Hazards**

The product does not meet the criteria for PBT or vPvB.

## 3. Composition / Information of Ingredients

**This safety sheet describes the Infant 3 kits**

The Infant 3 kits consists of the following solutions:

**Cat no IN3:**

Infant 3 qPCR mix: 12 x 8-wells, 15 µl/well

**Cat no IN3E:**

Wash buffer: 110 mL

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Lysis Buffer E: 12mL  
Additive for Lysis buffer: 1334 µL  
Infant 3 qPCR mix: 12 x 8-wells, 15 µl/well

## Cat no IN3L:

Live only mix 12x8 wells, 80 µl/well  
Infant 3 qPCR mix; 12 x 8-wells, 15 µl/well

## Cat no IN3EL:

Wash buffer: 110 mL  
Lysis Buffer E: 12mL  
Additive for Lysis buffer: 1334 µL  
Live only mix: 12x8 wells, 80 µl/well  
Infant 3 qPCR mix: 12 x 8-wells, 15 µl/well

These four product components contain no notifiable substances, but the following product have biological constituents, occupational limits or H-phrases.

qPCR reaction mix:

CAS/EC-no.	REACH No	Name	Content%	Classification CLP
9012-90-2/-	-	Taq DNA Polymerase enzyme	-	Biological Constituent SDS data N/A according to generic limits in EU directive 1272/2008 CLP
56-81-5/200-289-5	-	Glycerol	<10%	-

Additive for Lysis buffer:

CAS/EC-no.	REACH No	Name	Content%	Classification CLP
56-81-5/200-289-5	-	Glycerol	<10%	-

## 4. First aid measures

### Emergency overview

Water is the main component of all solutions.

Occupational exposure presents little or no health hazard. There are exposure limits for glycerol.

### First Aid Measures

Basic hygiene should prevent any problems. If contact with this product leads to reddening, inflammation, or other skin or eye irritation, flush the exposures area with running water.

Remove any contaminated clothing, taking care not to contaminate eyes. If chemical is in eyes, open victim's eyes while under gentle running water. Use sufficient force to open eye lids. Have the victim "roll" eyes. As per standard industrial practice, the recommended minimum flushing time is 15 minutes.

The victim should seek immediate medical attention if an adverse reaction has occurred. A copy of label and SDS should be given to the physician or health professional. If chemical is swallowed, and the victim is having a reaction to the product, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT

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INFORMATION. If professional advice is not available, induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow.

## Eye:

Flush with water in eyewash for at least 15 minutes, holding eyelids open. Remove contact lenses, clean before re-use. Obtain medical attention if symptoms develop (redness, itching, etc.)

## Skin:

Wash with plenty of soap and water for at least 15 minutes. Remove contaminated clothing, which may be washed for re-use. Obtain medical attention if symptoms develop (redness, itching, etc.).

## Inhalation:

Remove person to fresh air. Obtain medical attention unless effects are mild and temporary.

## Ingestion:

Give plenty of water, if conscious. If vomiting occurs naturally, wash out mouth. Be prepared to induce vomiting upon a physician's advice. Obtain medical attention if symptoms develop.

## Note to Physician:

Treat symptomatically. No specific antidote.

## Special note regarding Biological Constituents

The Biological Constituents of this product are known to be non-infectious and non-hazardous. When this product is used in conjunction with bodily fluids UNIVERSAL PRECAUTIONS SHOULD BE IMPLEMENTED.

## Exposure limits:

No compounds in this product have defined exposure limits.

## 5. Fire Fighting Measures

### Fire extinguishing media

This Product is not combustible. If this product is in the proximity of a fire, use fire extinguishing materials which are appropriate the materials which are involved in the fire, eg. powder, foam, CO<sub>2</sub> or water fog.

### Unsuitable extinguishing media

None known.

### Hazardous Combustion products

Includes carbon dioxide, carbon monoxide, and dense smoke.

### Advice for firefighters

Standard turnout gear ("bunker gear"). Positive pressure self-contained breathing apparatus. Prevent firefighting water from entering the environment.

## 6. Accidental release measures

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## Personal Protective Equipment

Area ventilation is generally adequate. Chemical-resistant gloves should be worn. Wear standard safety goggles or glasses. All watertight materials and rubber materials offer adequate protection. Avoid contact with eyes and skin.

## Spill cleanup

Absorb spill. Common absorbent materials should be effective. Deposit in appropriate containers for removal and disposal. Wash area with plenty of water.

## Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. Accidental releases may be subject to special reporting requirements and other regulatory mandates.

See also sections 8 and 13

## 7. Handling and storage

### Storage temperature

Frozen, at minus 20 degrees Celsius.

### Storage pressure

Ambient.

### Handling procedures

Keep closed or covered when not in use.

### Storage Procedures

Suitable for most general chemical storage areas. Protect from direct sunlight.

### Specific end uses

This product should only be used for applications described in section 1.

## 8. Exposure controls, personal protection

### Control parameters

#### Occupational exposure limits EH40 (Great Britain)

Contained in product components cDNA mix and qPCR mix

CAS-no:	Name	Limits	Comments
56-81-5	Glycerol, mist	10 mg/m <sup>3</sup> /8 hour TWA	-

DNEL/PNEC: -

### Exposure controls

Appropriate technical measures:

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Well- functioning area ventilation is generally adequate. No respiratory protection will be needed under normal operating conditions.

## **General information/hygiene measures:**

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom. Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face. Make sure that eyewash and emergency showers are clearly marked. Avoid contact with eyes and skin.

## **Personal Protective Equipments**

Only CE marked personal protection equipment should be used. Chemical-resistant gloves should be worn (EN 374).

Wear standard safety goggles or glasses (EN 166). No respiratory protection is needed.

Wear appropriate protective clothing.

## **9. Physical and chemical properties**

### **For all components of the kit**

#### **Odor**

None

#### **Boiling point**

100 degrees Celsius

#### **Melting point or range**

0 degrees Celsius

#### **pH**

Neutral

#### **Vapor Density**

Not established but similar to water

#### **Specific gravity**

1.0

#### **Solubility in water**

Yes

#### **Vapor pressure, mm Hg at 20 degrees Celsius**

Similar to water

#### **Volatiles**

Not established

#### **Evaporation rate (water=1)**

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Not established but similar to water

## Viscosity

Not established but similar to water

## Appearance and color

Colorless liquid, like water

## How to detect this substance

There are no unusual properties. The product's characteristics are very similar to those for water.

## 10. Stability and Reactivity

### Reactivity

Stable under normal and recommended conditions.

### Chemical Stability

Stable under recommended conditions for use and storage

### Conditions to avoid

Any set of conditions, which should be avoided for water. Direct sunlight. Strong oxidizers and reducers. Strong acids and bases. Alkalimetals.

### Materials with which substance is incompatible

This product is not compatible with substances which are incompatible with water. Otherwise not established.

### Hazardous Decomposition Products

None known

### Hazardous reactions

Not expected to occur

## 11. Toxicological information

### Potential Health Effect

No long-term health effect from exposure to this product is presently known.

### Specific target organ toxicity – single exposure

Not classified

### Acute toxicity

Not classified

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## **Serious eye damage/irritation**

Not classified

## **Dermal/skin corrosion/irritation**

Not classified

## **Inhalation/respiratory**

Not classified

## **Oral/ingestion**

Not classified

## **Aspiration hazard**

Not classified

## **Specific target organ toxicity – single exposure**

Not classified

## **Specific target organ toxicity – repeated exposure**

Not classified

## **Carcinogenicity**

Not classified

## **Reproductive toxicity**

Not classified

## **Additional information**

May cause mild temporary irritation in eyes

## **12. Ecological Information**

### **Toxicity**

Not classified but avoid leakage to sewage system or surface water. Contained in products qPCR mix:  
Glycerol: Daphnia – EC50 – 24h: >500 mg/l

### **Environmental Fate (Degradation, Transformation, and Persistence)**

Bio-concentration is not expected to occur

### **Bioaccumulative potential**

Glycerol: log Pow: -1,76

### **Mobility in soil**

No data

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## Result of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB

## Other adverse effects

None known

## 13. Disposal Considerations

### Waste treatment methods

Avoid discharge to drain and surface water Collect spills and waste in closed leak-proof containers for disposal at the local hazardous waste site.

### EWC-code

15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

### Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

## 14. Transport information

### This product is not subject to transport regulations

### UN Proper shipping name

Not determined

### UN number

Not determined

### Transport Hazard class

Not determined

### Environmental hazards - MP

Not determined

### ID number

Not determined

**Special precautions for the user:** Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and IBC code:** Not applicable

## 15. Regulatory information



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## European Union.

Pressure Equipment (Amendment) Regulations 2011. Chemicals (Hazard Information and Packaging for Supply) Regulations 2009. Control of Substances Hazardous to Health Regulations 2002 (as amended). Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997. Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (as amended). Personal Protective Equipment Regulations 2002. Personal Protective Equipment at Work Regulations 1992. Hazardous Waste (England and Wales) Regulations 2005(as amended). EC regulation 19s07/2006 (REACH) Directive 2000/532/EC. Seveso directive: 96/82/EC. EU 453/2010.

## United States.

TSCA: This product is solely for research and development purposes only. It may only be handled by technically qualified individuals.

## Canada.

DSL/NDSL: Not determined.

## 16: Other information

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since DNA Diagnostic A/S cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.