

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Identification of the substance/preparation**

**Product code** 12587010  
**Product name** B-27 Supplement Minus Vitamin A (50X), liquid

**Company/Undertaking Identification**

INVITROGEN CORPORATON  
5791 VAN ALLEN WAY  
PO BOX 6482  
CARLSBAD, CA 92008  
++1 760 603 7200

GIBCO PRODUCTS  
INVITROGEN CORPORATION  
3175 STALEY ROAD P.O. BOX 68  
GRAND ISLAND, NY 14072  
716-774-6700

INVITROGEN LIMITED  
3 FOUNTAIN DRIVE  
INCHINNAN BUSINESS PARK  
PAISLEY, PA4 9RF  
SCOTLAND  
44-141 814-6100

INVITROGEN CORPORATION NEW ZEALAND  
LIMITED  
18 - 24 BOTHA ROAD  
PENROSE  
AUCKLAND 1006  
NEW ZEALAND  
011 64 9 579 3024

INVITROGEN CORPORATION  
5250 MAINWAY DRIVE  
BURLINGTON, ONT  
CANADA L7L 6A4  
1-800-263-6236

INVITROGEN AUSTRALIA PTY LIMITED  
501 BLACKBURN ROAD  
MOUNT WAVERLY VIC 3149  
AUSTRALIA  
011 61 3 8542 7400

**2. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous/Non-hazardous Components**

The product contains no substances which at their given concentration, are considered to be hazardous to health We recommend handling all chemicals with caution.

**3. HAZARDS IDENTIFICATION**

The product is classified and labelled in accordance with Directive 1999/45/EC.

**Classification****Indication of danger**

Not hazardous

#### 4. FIRST AID MEASURES

Skin contact	Wash off immediately with plenty of water
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Ingestion	Never give anything by mouth to an unconscious person
Inhalation	Move to fresh air
Notes to physician	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Use personal protective equipment
Methods for cleaning up	Soak up with inert absorbent material.

#### 7. HANDLING AND STORAGE

Handling	No special handling advice required
Storage	Keep in properly labelled containers

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

##### Exposure limits

<u>Engineering measures</u>	Ensure adequate ventilation, especially in confined areas
-----------------------------	---

##### Personal protective equipment

Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment
Hand protection	Impervious gloves.
Eye protection	Safety glasses with side-shields
Skin and body protection	Lightweight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice

<u>Environmental exposure controls</u>	Prevent product from entering drains.
--	---------------------------------------

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

##### General Information

Form	Liquid
------	--------

##### Important Health Safety and Environmental Information

Boiling point/range	°C No data available	°F No data available
Melting point/range	°C No data available	°F No data available
Flash point	°C No data available	°F No data available
Autoignition temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	No data available	

#### 10. STABILITY AND REACTIVITY

Stability	Stable.
-----------	---------

## 10. STABILITY AND REACTIVITY

Materials to avoid	No information available
Hazardous decomposition products	No information available
Polymerization	Hazardous polymerisation does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

### Principle Routes of Exposure/ Potential Health effects

Eyes	No information available
Skin	No information available
Inhalation	No information available
Ingestion	No information available

### Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

<u>Target Organ Effects</u>	No information available
-----------------------------	--------------------------

## 12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	Inherently biodegradable.
Bioaccumulation	Does not bioaccumulate.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

### IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

## 15. REGULATORY INFORMATION

In accordance with local and national regulations, The product is classified and labelled in accordance with Directive 1999/45/EC.

### Indication of danger

Not hazardous

**R -phrase(s)**

No information available

**S -phrase(s)**

No information available

**International Inventories**

**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 Invitrogen Corporation 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 MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

**End of Safety Data Sheet**