



**D-Glutamine Plant Culture Tested**  
**CAS No 5959-95-5**

**MATERIAL SAFETY DATA SHEET**  
**SDS/MSDS**

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : D-Glutamine Plant Culture Tested

CAS-No. : 5959-95-5

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Industrial & for professional use only.

### 1.3 Details of the supplier of the safety data sheet

Company : Central Drug House (P) Ltd  
7/28 Vardaan House  
Ansari Road Daryaganj  
New Delhi-110002  
INDIA

Telephone : +91 11 49404040  
Email : [care@cdhfinechemical.com](mailto:care@cdhfinechemical.com)

### 1.4 Emergency telephone number

Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

## SECTION 2 Hazards Identification

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008 This substance is not classified as dangerous according to directive 67/548/EEC.

### 2.2 Label elements

The Product does not need to be labelled in accordance with EC directives or respective national laws.

### 2.3 Other hazards - None

## SECTION 3 Composition/Information on Ingredients

### 3.1 Substances

Synonym : D-2-Aminoglutaramic acid; D-Glutamic acid 5-amide

Molecular Formula  $C_5 H_{10} N_2 O_3$

Molecular Weight. 146.14

Component		Concentration
D-Glutamine, Plant Culture Tested		
CAS-No.	5959-95-5	

## **SECTION 4 First Aid Measures**

### **4.1 Description of first aid measures**

#### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### **In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

#### **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. consult a physician.

### **4.2 Most important symptoms and effects, both acute and delayed**

No data available

### **4.3 Indication of immediate medical attention and special treatment needed**

No data available

## **SECTION 5 Fire Fighting Measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

### **5.3 Precautions for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

### **5.4 Further information**

No data available

## **SECTION 6 Accidental Release Measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other sections**

For disposal see Section 13.

## **SECTION 7 Handling and Storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

### **7.3 Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended Storage Temperature : Store below 30°C

### **7.3 Specific end uses**

No data available

## **SECTION 8 Exposure Controls/Personal Protection**

### **8.1 Control parameters**

Components with workplace control parameters

### **8.2 Exposure controls**

#### **Appropriate engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## **Personal protective equipment**

### **Hygiene measure**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands face after working with the substance

### **Eye/face protection**

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

### **Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (Without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

### **Body protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific work place.

### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK(EN 14387) respirator cartridges as a backup to the engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### **Environment exposure controls**

Do not empty into drains

## **SECTION 9 Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Appearance	White crystals or powder
Odour	No data available
Odour Threshold	No data available
Odour Threshold	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water Solubility	No data available
Partition coefficient: n-octanol/Water	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

### **9.2 Other safety information**

No data available

## **SECTION 10 Stability and Reactivity**

### **10.1 Reactivity**

No data available

### **10.2 Chemical stability**

No data available

### **10.3 Possibility of hazardous reactions**

No data available

### **10.4 Conditions to avoid**

No data available

## **10.5 Incompatible materials**

Strong oxidizing agents

## **10.6 Hazardous decomposition products**

Other decomposition products - No data available

## **SECTION 11 Toxicological Information**

### **11.1 Information on toxicological**

#### **effectsAcute toxicity**

No data available

#### **Skin corrosion/irritation**

No data available

#### **Serious eye damage/eye irritation**

No data available

#### **Respiratory or skin sensitisation**

No data available

#### **Germ cell mutagenicity**

No data available

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **Reproductive toxicity**

No data available

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

No data available

#### **Aspiration hazard**

No data available

### **Potential Health Effects**

#### **Inhalation.**

Refer Section 2

#### **Skin**

Refer Section 2

#### **Eyes**

Refer Section 2

#### **Ingestion**

Refer Section 2

### **Additional Information**

RTECS : Not Available

## **SECTION 12 Ecological Information**

### **12.1 Toxicity**

No data available

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

### **12.5 PBT and vPvB assessment**

No data available

### **12.6 Other adverse effects**

No data available

## **SECTION 13 Disposal Considerations**

### **13.1 Waste treatments methods**

#### **Product**

Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose of this material.

### 13.2 Contaminated packaging

Dispose of as unused product.

## SECTION 14 Transport Information

### 14.1 UN-No.

ADR/RID: -    IMDG: -    IATA: -

### 14.2 UN proper shipping name

ADR/RID            : no dangerous goods  
IMDG                : no dangerous goods  
IATA                 : no dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: -    IMDG: -    IATA: -

### 14.4 Packaging group

ADR/RID: -    IMDG: -    IATA: -

### 14.5 Environmental hazards

ADR/RID: No    IMDG: Marine Pollutant:No    IATA: No

### 14.6 Special precautions for use

No data available

## SECTION 15 Regulatory Information

This safety datasheet complies with the requirements of Regulation(EC) No.1907/2006

### 15.1 Safety health and environment regulations/legislation specific for the substance or mixture

No data available

### 15.2 Chemical Safety Assessment

No data available

## SECTION 16 Other Information Further 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. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.cdhfinechemical.com](http://www.cdhfinechemical.com) for additional terms and conditions of sale.