

**1 Identification of the substances/ mixture and of the company/ undertaking****1.1 Product Identifiers**

Product Number G121  
Product Name Complete Supplement Mixture w/o TRP-URA  
REACH Registration Number Reach registration number is not available for this mixture. The annual tonnage does not require a REACH registration or it is envisaged for a later registration deadline.

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

**1.2.1** Relevant identified uses Laboratory chemicals, Manufacture of substances

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

Produced by HiMedia Laboratories Private Limited  
Address 23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086 India  
Tel. No. +91-22-2500 0970, +91-22-2500 1607 Fax No. : +91-22-25002468  
Mail Id [mb@himedialabs.com](mailto:mb@himedialabs.com) Website : [www.himedialabs.com](http://www.himedialabs.com)

**1.4 Emergency Tel. No.**

Emergency Tel. No. Please contact the regional HiMedia representation in your country

**2 Hazards Identification****2.1 Classification of the substance or mixture**

**CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]**

Skin corrosion or irritation, (Category 2), H315  
Serious eye damage or eye irritation, (Category 2A), H319

**2.2 Label elements**

**Labeling according to Regulation (EC) No.1272/2008**



Pictogram

Signal word Warning

Hazard Statement(s)

H315 Causes skin irritation

H319 Causes serious eye irritation

Precautionary Statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling. Wash skin thoroughly after handling.

P337 + P313 IF eye irritation persists: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 3 Composition/Information On Ingredients

Component	Classification	Concentration
Adenine		
CAS No. : 73-24-5 EC No. : 200-796-1 Molecular Formula : C <sub>5</sub> H <sub>5</sub> N <sub>5</sub> Molecular Weight : 135.13	<b>As Per EC Regulation 1272/2008</b> Acute Tox.oral. 3 H301	>= -

Component	Classification	Concentration
L-Arginine monohydrochloride		
CAS No. : 1119-34-2 EC No. : 214-275-1 Molecular Formula : C <sub>6</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> .HCl Molecular Weight : 210.66		>= -

Component	Classification	Concentration
L-Aspartic acid		
CAS No. : 56-84-8 EC No. : 200-291-6 Molecular Formula : C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub> Molecular Weight : 133.10		>= -

Component	Classification	Concentration
L-Isoleucine, Plant Culture Tested		
CAS No. : 73-32-5 EC No. : 200-798-2 Molecular Formula : C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> Molecular Weight : 131.17		>= -

Component	Classification	Concentration
L-Leucine		
CAS No. : 61-90-5 EC No. : 200-522-0 Molecular Formula : C <sub>6</sub> H <sub>13</sub> NO <sub>2</sub> Molecular Weight : 131.17		>= -

Component	Classification	Concentration
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L-Lysine monohydrochloride		
CAS No. :	657-27-2	>= -
EC No. :	211-519-9	
Molecular Formula :	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> . HCl	
Molecular Weight :	182.65	

Component	Classification	Concentration
L-Methionine, Plant Culture Tested		
CAS No. :	63-68-3	>= -
EC No. :	200-562-9	
Molecular Formula :	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub> S	
Molecular Weight :	149.21	

Component	Classification	Concentration
L-Phenylalanine		
CAS No. :	63-91-2	>= -
EC No. :	200-568-1	
Molecular Formula :	C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub>	
Molecular Weight :	165.19	

Component	Classification	Concentration
L-Threonine		
CAS No. :	72-19-5	>= -
EC No. :	200-774-1	
Molecular Formula :	C <sub>4</sub> H <sub>9</sub> NO <sub>3</sub>	
Molecular Weight :	119.12	

Component	Classification	Concentration
L-Tyrosine		
CAS No. :	60-18-4	>= -
EC No. :	200-460-4	
Molecular Formula :	C <sub>9</sub> H <sub>11</sub> NO <sub>3</sub>	
Molecular Weight :	181.19	
		As Per EC Regulation 1272/2008 Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3 H315; H319; H335

Component	Classification	Concentration
L-Valine		
CAS No. :	72-18-4	>= -
EC No. :	200-773-6	
Molecular Formula :	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>	
Molecular Weight :	117.15	

## **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 immediately with plenty of water for at least 15 minutes. 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**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

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

Treat symptomatically.

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## **5 Fire Fighting Measures**

### **5.1 Extinguishing media**

#### ***Suitable extinguishing media***

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

#### ***Unsuitable extinguishing media***

No data available.

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

Nature of decomposition products unknown

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

Wear self contained breathing apparatus for fire fighting if necessary

### **5.4 Further information**

No data available

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## **6 Accidental Release Measures**

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

Use personnel protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

### **6.2 Environmental precautions**

No special environmental precautions required.

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

Soak up with inert adsorbent 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.

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## **7 Handling and Storage**

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

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Non Combustible Liquids

**Recommended Storage Temperature** : Store between 10-30°C

### **7.3 Specific end uses**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## **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 products.

#### ***Personal protective equipment***

##### ***Hygiene measure***

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

##### ***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 contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### ***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 workplace.

##### ***Respiratory protection***

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to 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 let product enter drains.

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## **9 Physical and chemical properties**

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

Appearance

White to Light yellow homogenous free flowing powder

Odour	No data available
Odour Threshold	No data available
pH	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (Solid, gas)	No data available
Vapour pressure	No data available
Relative density	No data available
Water Solubility	Soluble in water
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Explosive properties	No data available
Oxidizing properties	No data available

## 9.2 Other safety information

No data available

## 10 Stability and Reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.6 Hazardous decomposition products

In the event of fire. Refer section 5

## 11 Toxicological Information

### 11.1 Information on toxicological effects

#### ***Acute 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

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**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

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**13 Disposal Considerations**

**13.1 Waste treatments methods**

**Product**

Offer surplus and non-recyclable solutions to a licenced disposal company.

**13.2 Contaminated packaging**

Dispose of as unused product.

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**14 Transport Information**

**14.1 UN-No**

ADNR : ADR : IATA\_C : IATA\_P : IMDG : RID :

**14.2 UN proper shipping name**

ADNR : Not dangerous goods

ADR : Not dangerous goods

IATA\_C : Not dangerous goods

IATA\_P : Not dangerous goods

IMDG : Not dangerous goods

RID : Not dangerous goods

**14.3 Transport hazard class(es)**

ADNR : - ADR : - IATA\_C : - IATA\_P : - IMDG : - RID : -

**14.4 Packaging group**

ADNR :       ADR :       IATA\_C :       IATA\_P :       IMDG :       RID :

**14.5 Environmental hazards**

ADNR : NO ADR : NO IMDG : Marine Pollutant: No IATA\_C : NO IATA\_P : NO RID : NO

**14.6 Special precautions for use**

No data available

**15 Regulatory Information**

**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

**16 Other information**

H301	Toxic if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Acute Tox.oral. 3	Acute toxicity, oral, Category 3
Eye Irrit. 2A	Serious eye damage or eye irritation, Category 2A
Skin Irrit. 2	Skin corrosion or irritation, Category 2
STOT SE 3	Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3

**Further Information**

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The information given in this safety data sheet is believed to be correct yet does not claim to be all inclusive. This document is intended only as a guide for appropriate precautionary handling of the material by properly trained individuals, information here being commensurate with the present state of our knowledge regarding the manner and conditions of use, handling, storage or disposal. The information provided herein shall not be considered as guarantee of the properties of the product. HiMedia Laboratories, shall not be held liable for any damage resulting from improper handling or contact with the above product. Unless explicitly stated on the product or in any of the documentation accompanying the product, it is intended for research or testing purpose only and is not to be used for any other purpose.