



# SAFETY DATA SHEET

## L-VALINE

### PRODUCT# L-VALINE-5020

---

#### SECTION I – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

---

**Product Name:** L-Valine  
**Synonyms:** alpha-Aminoisovaleric acid; 2-Amino-3-methylbutyric acid; L-(+)-Valine' Valine, L-  
**Distributor:** Bella Corp Trading Pty Ltd  
**Address:** 6/34 Dominions Road, Ashmore QLD 4214, Australia  
**Telephone:** 07 5597 4169  
**Email:** [bellacorp@bellacorp.com.au](mailto:bellacorp@bellacorp.com.au)

---

#### SECTION II – COM POSITION, INFORMATION ON INGREDIENTS

---

<u>CAS#</u>	<u>Chemical Name</u>	<u>Percent</u>	<u>EINECS/ELINCS</u>
72-18-4	L-Valine	ca. 100	200-773-6

**Hazard Symbols:** None listed

**Risk Phrases:** None listed

---

#### SECTION III – HAZARDS IDENTIFICATION

---

**Appearance:** White  
**Caution!** The toxicological properties of this material have not been fully investigated. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. Mutagen.

**Target Organs:** No data found

**Potential Health Effects:**

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.

**Inhalation:** May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated.

**Chronic:** Laboratory experiments have resulted in mutagenic effects.

---

#### SECTION IV – FIRST AID PROCEDURES

---

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupful of milk or water.



# SAFETY DATA SHEET

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.  
**Notes to Physician:** Treat symptomatically and supportively.

---

## SECTION V – FIRE FIGHTING MEASURES

---

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.  
**Extinguishing Media:** Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

---

## SECTION VI – ACCIDENTAL RELEASE MEASURES

---

**General Information:** Use proper personal protective equipment as indicated in Section 8.  
**Spills/Leaks:** Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

---

## SECTION VII – HANDLING AND STORAGE

---

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.  
**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

---

## SECTION VIII – EXPOSURE CONTROLS, PERSONAL PROTECTION

---

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Exposure Limits:**

<u>Chemical Name</u>	<u>ACGIH</u>	<u>NIOSH</u>	<u>OSHA – Final PELs</u>
L-Valine	None listed	None listed	None listed

**OSHA Vacated PELs:** L-Valine: No OSHA Vacated PELs are listed for this chemical.

**Personal Protective Equipment:**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN 166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.



# SAFETY DATA SHEET

---

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

---

<b>Physical State:</b>	Powder
<b>Appearance:</b>	White
<b>Odor:</b>	None reported
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	Negligible
<b>Vapor Density:</b>	Not available
<b>Evaporation Rate:</b>	Negligible
<b>Viscosity:</b>	Not available
<b>Boiling Point:</b>	Not available
<b>Freezing/Melting Point:</b>	315°C
<b>Decomposition Temperature:</b>	Not available
<b>NFPA Rating (estimated):</b>	Health: 1; Flammability: 0; Reactivity: 0
<b>Explosion Limits, Lower:</b>	Not available
<b>Explosion Limits, Upper:</b>	Not available
<b>Solubility:</b>	Soluble
<b>Specific Gravity/Density:</b>	1.23 (water = 1)
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>
<b>Molecular Weight:</b>	117.0825

---

## SECTION X – STABILITY AND REACTIVITY

---

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Conditions to Avoid:</b>	Incompatible materials, dust generation, excess heat.
<b>Incompatibilities with Other Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.
<b>Hazardous Polymerization:</b>	Has not been reported.

---

## SECTION XI – TOXICOLOGICAL INFORMATION

---

<b>RTECS#:</b>	
<b>CAS# 72-18-4:</b>	YV9361000
<b>LD50/LC50:</b>	Not available
<b>Carcinogenicity:</b>	
<b>CAS# 72-18-4:</b>	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA
<b>Epidemiology:</b>	No information available
<b>Teratogenicity:</b>	No information available
<b>Reproductive Effects:</b>	No information available
<b>Neurotoxicity:</b>	No information available
<b>Mutagenicity:</b>	No information available
<b>Other Studies:</b>	No information available

---

## SECTION XII – ECOLOGICAL INFORMATION

---

No information available.



# SAFETY DATA SHEET

---

## SECTION XIII – DISPOSAL CONSIDERATIONS

---

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. U.S. EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

---

## SECTION XIV – TRANSPORT INFORMATION

---

	<u>US DOT</u>	<u>IATA</u>	<u>RID/ADR</u>	<u>IMO</u>	<u>Canada TDG</u>
<b>Shipping Name:</b>	No information available				No information available
<b>Hazard Class:</b>					
<b>UN Number:</b>					
<b>Packing Group:</b>					

---

## SECTION XV – REGULATORY INFORMATION

---

### US FEDERAL:

#### TSCA:

#### Health and Safety Reporting List:

CAS# 72-18-4 is listed on the TSCA inventory. None of the chemicals are on the Health & Safety Reporting List.

#### Chemical Test Rules:

None of the chemicals in this product are under a Chemical Test Rule.

#### Section 12b:

None of the chemicals are listed under TSCA Section 12b.

#### TSCA Significant New Use Rule:

None of the chemicals in this material have a SNUR under TSCA.

### SARA:

#### Section 302 (RQ):

None of the chemicals in this product have an RQ.

#### Section 302 (TPQ):

#### Section 313:

No chemicals are reportable under Section 313.

### Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.



## SAFETY DATA SHEET

**STATE:**

CAS# 72-18-4 is not present on state lists from CA, PA, MN, MA, FL, or NJ.  
California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations:**

**European Labeling in Accordance with EC Directives:**

**Hazard Symbols:**

Not available.

**Risk Phrases:**

**Safety Phrases:**

**WGK (Water Danger/Protection):**

CAS# 72-18-4: 0

**Canada – DSL/NDSL:**

CAS# 72-18-4 is listed on Canada's DLS List.

**Canada – WHMIS:**

This product has a WHMIS classification of D2B.

**Canadian Ingredient Disclosure List:**

CAS# 72-18-4 is not listed on Canada's Ingredient Disclosure List.

**Exposure Limits:**

---

**SECTION XVI – ADDITIONAL INFORMATION**

---

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. User should make their own investigations to determine the suitability of the information for their particular purposes.

Revision No.: MSDSLVAL.5020.1  
Revision Date: 1/10/2019