

## CJ INDONESIA



### PT. CHEIL JEDANG INDONESIA

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### MATERIAL SAFETY DATA SHEET

#### L-LYSINE MONOHYDROCHLORIDE

No. Doc. TEQ-BRS-02-05

### COMPANY NAME

*Manufacturer:* PT. Cheil Jedang Indonesia  
Desa Arjosari, Kecamatan Rejos, Kabupaten Pasuruan,  
East Java, Indonesia 667181

*Emergency Phone:* +62 343 401333, 482333

### DESCRIPTION

*Composition:* L-Lysine HCl 99% (L-Lysine base 79%)  
*Chemical Family:* Amino Acid ( Essential )  
*Molecular Formula:*  $C_6H_{14}N_2O_2 \cdot HCl$   
*Molecular Weight:* 182.65  
*Structure Formula:*  $[H_2N - CH_2 - CH_2 - CH_2 - CH_2 - CH - COOH] \cdot HCl$   
|  
NH<sub>2</sub>

### STATEMENT OF HEALTH HAZARD

*Hazard Description:* Avoid contact with eyes, mild eye irritant. Otherwise non hazardous

### EMERGENCY TREATMENT

*Emergency Aid:* Flush eyes with water 15 minutes, ensure thorough rinsing

### PHYSICAL DATA

*Bulk Density:* 0.67 ~ 0.75 g/ml  
*Appearance and Odor:* White or pale brownish powder, Odorless, Having characteristic taste  
*Solubility in Water at 30 C:* 642 g/L  
*Percent Volatile:* 0%

*Evaporation Rate:* None

### **SPILL OR LEAK PROCEDURE**

*Step to be taken:* Ordinary, same as food

*Waste disposal:* Dissolve or suspend in water

### **FIRE AND EXPLOSION HAZARD DATA**

*Flash point:* None

*Auto Ignition Temperature:* N/A

*Flammable liimit in air:* None Flammable

*Extinguishing Media:* Water

*Special Fire Fighting Procedure:* Should wear protective clothing and respiratory protection to protect from fumes of HCl and NOx

*Unusual Fire and*

*Explosion Hazard:* Not a fire hazard

### **CHEMICAL REACTIVITY**

*Stability:* Stable if stored in dry condition in sealed or closed containers

*Condition to avoid:* None

*Hazardous*

*Decomposition Product:* When heated to decomposition, chlorous and nitrous fumes will be emitted.

### **SPECIAL PROTECTION AND PROCEDURES**

*Respiratory protection:* Unnecessary

*Ventilation:* Ordinary

*Protective Equipment:* Not needed

### **SPECIAL PRECAUTION**

*Handling:* Recommended to wear glove and face mask if excessive handling is necessary

*Storage:* Keep away from sources of ignition. Store in dry conditions in sealed or closed containers

*Work place:* Keep to be clean

### **LABELING AND HANDLE DELIVERING**

*Proper delivering name:* L-Lysine Monohydrochloride 99%

*Packaging:* 25 kg net with 3 ply Kraft paper bag and 1 ply PE  
500 kg Big bag with PE laminated  
800 kg Big bag with PE laminated  
18000 ~ 20000 kg BCS

### **OTHER INFORMATION**

*The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.*

*It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This MSDS cancels and replaces any preceding release.*

