

## Losartan Carboxaldehyde

Cat#: orb1299460 (MSDS)

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

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#### Product identifier

Product Name Losartan Carboxaldehyde

#### Recommended use of the chemical and restrictions on use

For research use only. Not intended for diagnostic or therapeutic use.

### 2. HAZARDS IDENTIFICATION

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This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122).

#### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

#### Label elements

Signal word Not classified

Hazard statements Not classified

Symbols/Pictograms Not classified

Precautionary Statements - Prevention Wash hands thoroughly after handling

Precautionary Statements – Response IF exposed or concerned: Get medical advice/attention

#### Hazards not otherwise classified (HNOC)

Hazards not otherwise classified (HNOC) Not applicable

#### Other Information

Unknown acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity.

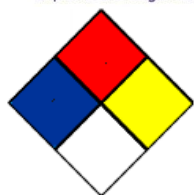
#### NFPA

Health hazards -

Flammability -

Stability -

Physical and chemical Properties –



**HMIS**

Health hazards -  
 Flammability -  
 Physical hazards -  
 Personal protection –

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

CAS No 114798-36-6  
 Molecular Weight 420.89  
 Formula C22H21ClN6O

Chemical name	CAS No.	Weight-%	Oral LD50	Dermal LD50	Inhalation LC50
Losartan Carboxaldehyde	114798-36-6	>98	-	-	-

**4. FIRST AID MEASURES**

**First Aid Measures**

General advice Consult a physician if necessary. Remove to fresh air.  
 Eye contact Wash with plenty of water.  
 Skin Contact Wash skin with soap and water.  
 Inhalation Remove to fresh air If breathing is difficult, give oxygen If not breathing, give artificial respiration  
 Ingestion Never give anything by mouth to an unconscious person. Clean mouth with water.

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

Symptoms No information available.

**Indication of any immediate medical attention and special treatment needed**

Note to physicians Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media No information available.

### **Specific hazards arising from the chemical**

Specific hazards arising from the chemical

Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NOx). Phosgene.

### **Explosion data**

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

### **Protective equipment and precautions for firefighters**

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **6. ACCIDENTAL RELEASE MEASURES**

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

Personal precautions Ensure adequate ventilation, especially in confined areas.

### **Environmental precautions**

Environmental precautions See Section 12 for additional Ecological Information.

### **Methods and material for containment and cleaning up**

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp

to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

## **7. HANDLING AND STORAGE**

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### **Precautions for safe handling**

Advice on safe handling Thermal decomposition can lead to release of toxic/corrosive gases and vapors.

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

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store at 4 °C.

Incompatible materials None known based on information supplied.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### **Control parameters**

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### **Appropriate engineering controls**

Engineering Controls Showers

Eyewash stations

Ventilation systems

**Individual protection measures, such as personal protective equipment**

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State Solid

Appearance No information available

Odor No information available

### Property Values

pH No information available

Melting point/freezing point 71 °C

Boiling point No information available

Flash point No information available

Liquid Density No information available

Evaporation rate No information available

Upper flammability limits No information available

Lower flammability limit No information available

Vapor pressure No information available

Vapor density No information available

Specific gravity No information available

Water solubility No information available

Solubility in other solvents No information available

Partition coefficient No information available

Autoignition temperature No information available

Decomposition temperature 71 °C

Kinematic viscosity No information available

Explosive properties No information available

Oxidizing properties No information available

## 10. STABILITY AND REACTIVITY

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Chemical stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous polymerization No information available.

Conditions to avoid Extremes of temperature and direct sunlight.

Incompatible materials Strong oxidizing agents.

Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx). Phosgene.

## 11. TOXICOLOGICAL INFORMATION

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### Information on likely routes of exposure

Inhalation No data available.

Eye contact No data available.

Skin Contact No data available.

Ingestion No data available.

### Information on toxicological effects

Symptoms No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity No information available.

### Numerical measures of toxicity - Product Information

Unknown acute toxicity 100% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

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Ecotoxicity May cause long lasting harmful effects to aquatic life

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence and degradability No information available.

Bioaccumulation No information available.

Mobility No information available.

## 13. DISPOSAL CONSIDERATIONS

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Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

## 14. TRANSPORT INFORMATION

**DOT** Not regulated

**IMDG** Not regulated

**IATA** Not regulated

## 15. REGULATORY INFORMATION

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### International Inventories

**All of the components in the product are on the following Inventory lists**

No information available

#### X - Listed

**TSCA** - *United States Toxic Substances Control Act Section 8(b) Inventory*

**DSL/NDSL** - *Canadian Domestic Substances List/Non-Domestic Substances List*

**EINECS/ELINCS** - *European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

**ENCS** - *Japan Existing and New Chemical Substances*

**IECSC** - *China Inventory of Existing Chemical Substances*

**KECL** - *Korean Existing and Evaluated Chemical Substances*

**PICCS** - *Philippines Inventory of Chemicals and Chemical Substances*

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute health hazard No

Chronic Health Hazard No

Fire hazard No

Sudden release of pressure hazard No

Reactive hazard No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations