



Section 1. Product and Company Identification

Product Name Sodium Propionate
CAS Number 137-40-6

Parchem - fine & specialty chemicals

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EMERGENCY RESPONSE NUMBER

CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the Substance or Mixture

Classification according to EU Directives 67/548/EEC or 1999/45/EC: Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Label Elements

Labeling according to EC Directives (1999/45/EC)

Further Information: The product does not need to be labeled in accordance with EC directives or respective national laws.

Other Hazards

Remarks: None known

Section 3. Composition / Information on Ingredients

Common Name Sodium Propionate
Synonym(s) Sodium propanoate
Formula $C_3H_5NaO_2$
CAS Number 137-40-6

Section 4. First Aid Measures

Description of First-aid Measures

Inhalation: Remove to fresh air. Keep patient warm and at rest. In case of feeling unwell consult a physician.

Skin Contact: Rinse with water.

Eye Contact: Rinse with plenty of water. If symptoms persist, call a physician.

Ingestion: Rinse mouth with water. Obtain medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms: May cause mild irritation.

Indication of Immediate Medical Attention and Special Treatment needed, if necessary

Treatment: No information available.

Section 5. Firefighting Measures

Extinguishing Media: Water spray; Foam; Dry chemical; Carbon dioxide (CO₂)

Special Hazards arising from the Substance or Mixture

In case of fire hazardous decomposition products may be produced such as: sodium oxide

Special Protective Actions for Firefighters

In the event of fire, wear self-contained breathing apparatus. Splash proof protective suit.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Use personal protective equipment. For personal protection see section 8.

Environmental Precautions: Try to prevent the material from entering drains or water courses.

Methods and Materials for Containment and Cleaning up: Sweep up and shovel into suitable containers for disposal. Smaller spills can be flushed away with plenty of water to remove the product.

Section 7. Handling and Storage

Precautions for Safe Handling: Keep container closed when not in use. Avoid contact with skin, eyes and clothing.

Conditions for Safe Storage, including any Incompatibilities: Keep tightly closed in a dry and cool place. Store in original container.

Materials to Avoid: No data available

Section 8. Exposure Controls / Personal Protection

Exposure Limit Values: Contains no substances with occupational exposure limit values.

Exposure Controls

Appropriate Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual Protection Measures, such as Personal Protective Equipment

Hand Protection

Glove Material: PVC; Rubber gloves

Eye Protection: Chemical resistant goggles must be worn.

Skin and Body Protection: Work clothing.

Respiratory Protection: Respirator must be worn if exposed to dust.

Section 9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State: Solid, powder, granules

Color: White

Odor: Odorless

pH: 8 - 9.5 (10 g/L)

Melting Point/Range: 210°C

Flash Point (PMCC): > 250°C

Flammability (Solid, Gas): The product is not flammable. (Flammability (solids))

Dust Explosion Description Number Kst: 55 m.b/s

Minimum Ignition Energy: 0.1 - 10 kJ

Explosive Properties

Lower Explosion Limit: No data available

Upper Explosion Limit: No data available

Density: 1.520 kg/m³; 300 - 600 kg/m³ (Loose)

Solubility in Water: 995 kg/m³ (20°C); 1.270 kg/m³ (80°C)

Other Data: Not available

Section 10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions

Hazardous Reactions: None known.

Conditions to Avoid: Stable under recommended storage conditions. The product is hygroscopic.

Incompatible Materials

Materials to Avoid: No data available

Hazardous Decomposition Products: No data available

Section 11. Toxicological Information

Information on Toxicological Effects

Acute Toxicity

LD50/Oral/rat: 5.600 mg/kg

Irritation and Corrosion

Skin: Not classified as irritating for skin.

Eyes: Not classified as irritating for eyes.

Sensitization: No data available

Long Term Toxicity: No data available

Human Experience

Inhalation: Exposure to dust at high concentrations. May cause irritation of the mucous membranes. May cause irritation of respiratory tract.

Skin Contact: Repeated or prolonged exposure, may cause mild irritation.

Eye Contact: May cause mild irritation.

Section 12. Ecological Information

Ecotoxicity Effects

Aquatic Toxicity: No data available

Toxicity to Other Organisms: No data available

Persistence and Degradability

Biological Degradability: Readily biodegradable

Bioaccumulative Potential: Bioaccumulation is unlikely.

Mobility in Soil

Water Solubility: 995 kg/m³ (20°C); 1.270 kg/m³ (80°C)

Water soluble. Stays in water phase. non-volatile

Results of PBT and vPvB Assessment: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Other Adverse Effects: None known

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Land Transport: Not classified as dangerous in the meaning of transport regulations.

Sea Transport: Not classified as dangerous in the meaning of transport regulations.

Air Transport: Not classified as dangerous in the meaning of transport regulations.

Special Precautions for User: Not classified as dangerous in the meaning of transport regulations.

Section 15. Regulatory Information

Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture

Water Contaminating Class (Germany): WGK 1 slightly water endangering

Notification Status

EINECS

Update: 1990-06-15

Listed Notification Number: 2052904

Chemical Safety Assessment: Not required

Section 16. Other Information

Disclaimer: 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.

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