



MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification Diclofenac (sodium salt)

Product Code: 70680 , **Reference #:** 15307-79-6

Product Name: Diclofenac (sodium salt)

CAS Number: 15307-79-6 , **RTECS Number:** AG6330000

Synonyms

2-[(2,6-dichlorophenyl)amino]-benzeneacetic acid, monosodium salt;
Benfoten; Ecofenac; Voltaren

Manufacturer Name and Address:

Cayman Chemical Company
1180 E. Ellsworth Rd.

Cayman Chemical Company

Ann Arbor, MI. 48108

Telephone Numbers:

(800)364-9897

(734)971-3335

Dates:

Date Entered: 06/27/1996

Revision: 12/18/2003

Printed: 12/18/2003

SECTION 2. Composition/Information on Ingredients Diclofenac (sodium salt)

Hazardous Components (Specific Chemical Identity/Common Name)

Name: Diclofenac

CAS #: 15307-79-6

OSHA PEL: No data.

Percentage: 100.0 %

ACGIH TLV: No data.

SECTION 3. Hazards Identification Diclofenac (sodium salt)

Emergency Overview

No data available.

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other: Injection

Potential Health Effects (Acute and Chronic)

Females of childbearing potential should avoid this chemical, may cause fetotoxicity.

Material may be irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause eye, skin, or respiratory system irritation.

May be toxic when swallowed.

The toxicological properties of this compound have not been fully evaluated.

Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No

Carcinogenicity/Other Information

No data available.

Signs and Symptoms Of Exposure

Exposure can cause gastrointestinal disturbances, nausea, dizziness, and headache.

Irritating to the skin, eyes, nose, throat, and respiratory tract.

SECTION 4. First Aid Measures Diclofenac (sodium salt)

Emergency and First Aid Procedures

If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person.

Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.

In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Note to Physician

No data available.

Medical Conditions Generally Aggravated By Exposure

No data available.

**SECTION 5. Fire Fighting Measures
Diclofenac (sodium salt)**

Flash Pt: No data. **Method Used:** See note below

Explosive Limits: LEL: No data. UEL: No data.

Extinguishing Media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.

Fire Fighting Instructions

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

Flammable Properties and Hazards

No data available.

Hazardous Combustion Products

carbon dioxide

carbon monoxide

hydrogen chloride gas

nitrogen oxides

**SECTION 6. Accidental Release Measures
Diclofenac (sodium salt)****Steps To Be Taken In Case Material Is Released Or Spilled**

Vacuum or sweep up material and place in disposal container.

Avoid raising dust.

After removal, ventilate contaminated area and flush thoroughly with water.

**SECTION 7. Handling and Storage
Diclofenac (sodium salt)****Hazard Label Information:**

Avoid contact with skin and eyes. Do not reuse this container.

Use with adequate ventilation. Wash thoroughly after handling.

Precautions To Be Taken in Handling

Avoid contact with eyes, skin, and clothing.

Do not reuse this container.

Pregnant females should avoid exposure to this compound.

Use with adequate ventilation.

Wash thoroughly after handling.

Precautions To Be Taken in Storing

Store at correct temperature.

Other Precautions

No data available.

Work/Hygienic/Maintenance Practices

Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Wash thoroughly after handling.

SECTION 8. Exposure Controls/Personal Protection Diclofenac (sodium salt)

Protective Equipment Summary - Hazard Label Information

Eye wash station in work area Lab coat Latex disposable gloves
Safety glasses Safety shower in work area Vent Hood

Respiratory Equipment (Specify Type)

No data available.

Eye Protection

Safety glasses

Protective Gloves

Latex disposable gloves

Other Protective Clothing

Lab coat

Engineering Controls (Ventilation etc.)

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

SECTION 9. Physical and Chemical Properties Diclofenac (sodium salt)

Physical States:	<input type="checkbox"/> Gas , <input type="checkbox"/> Liquid , <input checked="" type="checkbox"/> Solid
Boiling Point:	No data.
Melting Point:	No data.
Specific Gravity (Water = 1):	No data.
Density:	No data.
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate (vs Butyl Acetate=1):	No data.
Solubility in Water:	9 mg/ml* at 25.0 C
Other Solubility Notes:	*PBS pH 7.2, sol. in EtOH & DMF
Percent Volatile:	NE or NA
Saturated Vapor Concentration:	No data.
Viscosity:	No data.
Molecular Formula:	C ₁₄ H ₁₀ Cl ₂ NO ₂ Na
Molecular Weight:	318.10
pH:	No data.
Appearance and Odor	
A crystalline solid.	

SECTION 10. Stability and Reactivity Diclofenac (sodium salt)

Stability: Unstable Stable

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

strong oxidizing agents

Hazardous Decomposition Or Byproducts

carbon dioxide

carbon monoxide

hydrogen chloride gas

nitrogen oxides

Hazardous Polymerization: Will occur Will not occur

Conditions To Avoid - Hazardous Polymerization

No data available.

SECTION 11. Toxicological Information
Diclofenac (sodium salt)

The toxicological effects of this compound have not been thoroughly studied.

Chronic Toxicological Effects

No data available.

SECTION 12. Ecological Information
Diclofenac (sodium salt)

Runoff from fire control or dilution water may cause pollution.

SECTION 13. Disposal Considerations
Diclofenac (sodium salt)

Waste Disposal Method

Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information
Diclofenac (sodium salt)

DOT Proper Shipping Name

No data available.

Additional Transport Information

Transport in accordance with local, state, and federal regulations.

SECTION 15. Regulatory Information
Diclofenac (sodium salt)

Regulatory information on this product is not available.

SECTION 16. Other Information
Diclofenac (sodium salt)

For research use only, not for human or veterinary clinical use.

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