

MATERIAL SAFETY DATA SHEET

DICLOFENAC SODIUM

1. Information of the substance / preparation and of the company

Commercial product name Diclofenac Sodium
Company: Farmabase Pharmaceutical Raw Materials
 Campiello del Trivio, 12
 38068 Rovereto
 Italy
 Phone: 0464/421996
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CAS nr. 15307-79-6

2. Chemical Characterisation & physical form

Chemical formula $C_{14}H_{10}Cl_2NO_2Na$
Molecular weight 318.13
Physical form Diclofenac Sodium is a white crystalline powder

3. Hazards Identification

Very hazardous in case of skin contact (irritant), of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (sensitizer, permeator). Severe over-exposure can result in death.

Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

4. First aid measures

Eye contact: check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin contact: after contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Ingestion: do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Inhalation: allow the victim to rest in a well ventilated area. Seek immediate medical attention.

5. Fire fighting measures

Flammability of the product: may be combustible at high temperature

Products of combustion are: carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂), halogenated compounds.

Fire fighting media and instructions:

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Small fire: use dry chemical powder

Large fire: use water spray, fog or foam. Do not use water jet.

6. Accidental release measures

Small spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large spill:

Use a shovel to put the material into a convenient waste disposal container.

7. Handling and storage

Precautions:

Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

8. Exposure controls / personal protection

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limits.

Personal protection:

Splash goggles, lab coat, gloves, dust respirator. Be sure to use an approved/certified respirator or equivalent. Consult a specialist before handling this product.

9. Physical and chemical properties

Physical state	crystalline powder
Colour	white
Boiling point	decomposes
Melting point	284 °C (543,2 °F)
Solubility	soluble in cold water

10. Stability and reactivity

The product is stable and non-corrosive in presence of glass.

11. Toxicological information

Toxicity to animals: acute oral toxicity (LD50): 53 mg/kg (Rat)

Toxic effects on humans: very hazardous in case of skin contact (irritant), of ingestion, hazardous in case of inhalation, slightly hazardous in case of skin contact (sensitizer, permeator).

12. Ecological information

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Pos.Mec.: TN 011775

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Products of biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are more toxic.

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

The material is not hazardous according to current regulations for transportation of hazardous goods. These codes are not applicable as the material is not hazardous.

15. Other regulatory information

DSCL (EEC):

R25-toxic if swallowed

R36/38-irritating to eyes and skin

16. Other information

The information herein is believed to be correct as of the date but is provided without warranty of any kind. The recipient of our products is responsible for observing any laws & guidelines as applicable.

FARMABASE Pharmaceutical
Raw Materials