

4'-Hydroxydiclofenac
R1336-10MG

Version 1.0

Issuing date

Revision Date 08/16/2018

Print Date 08/07/2019

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information**

Trade name : 4'-Hydroxydiclofenac

Number : 000000022708

Recommended use of the chemical and restrictions on use : Reference Standard

Manufacturer or supplier's details : Honeywell Specialty Chemicals Seelze GmbH
Wunstorfer Straße 40
Seelze, 30926

For further information, please contact: : 1-800-368-0050
+1-231-726-3171
(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or +1-703-527-3887**
: **In Japan: +(81)-345209637**
: (24 hours/day, 7 days/week)

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture**

Classification of the substance or mixture : Acute toxicity, Category 3, Oral
Skin irritation, Category 2
Serious eye damage, Category 1
Specific target organ toxicity - single exposure, Category 3
Acute aquatic toxicity, Category 1
Chronic aquatic toxicity, Category 1

GHS Label elements, including precautionary statements

Symbol(s)

:



Signal word

: Danger

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Hazard statements : Toxic if swallowed.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.
Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves/ eye protection/ face protection.

Response:

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

Specific treatment (see supplemental first aid instructions on this label).

Rinse mouth.

If skin irritation occurs: Get medical advice/ attention.

Take off contaminated clothing and wash before reuse.

Collect spillage.

Storage:

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTSFormula : C₁₄H₁₁Cl₂NO₃

Chemical nature : Substance

Chemical name	CAS-No.	Concentration
4'-Hydroxydiclofenac	64118-84-9	100.00 %
4'-Hydroxydiclofenac		

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Note: none

4. FIRST AID MEASURES

- General advice : First aider needs to protect himself.
Move out of dangerous area.
Take off all contaminated clothing immediately.
- Inhalation : In case of accident by inhalation: remove casualty to fresh air
and keep at rest.
Call a physician immediately.
- Skin contact : After contact with skin, wash immediately with plenty of water.
Call a physician immediately.
- Eye contact : Protect unharmed eye.
Remove contact lenses.
Rinse thoroughly with plenty of water, also under the eyelids.
Call a physician immediately.
- Ingestion : Rinse mouth with water.
Drink 1 or 2 glasses of water.
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person.
Call a physician immediately.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry powder
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Fire may cause evolution of:
Carbon oxides
nitrogen oxides
Chlorine compounds
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
No unprotected exposed skin areas.
- Further information : Use extinguishing measures that are appropriate to local
circumstances and the surrounding environment.
Do not use a solid water stream as it may scatter and spread
fire.

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
Wear personal protective equipment. Unprotected persons must be kept away.
Use personal protective equipment.
Avoid contact with skin, eyes and clothing.
Avoid dust formation.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
Should not be released into the environment.
Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Use mechanical handling equipment.
Pick for disposal in tightly closed containers

7. HANDLING AND STORAGE**Handling**

- Precautions for safe handling : Exhaust ventilation at the object is necessary.
Wear personal protective equipment.

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Storage

- Conditions for safe storage, including any incompatibilities : Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated place.
- Further information on storage conditions : Recommended storage temperature: 2 - 8 °C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Use with local exhaust ventilation.

Individual protection measures, such as personal protective equipment

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Respiratory protection	: In the case of dust or aerosol formation use respirator with an approved filter.
Hand protection	: Protective gloves Gloves must be inspected prior to use. Replace when worn.
Eye protection	: Safety goggles
Skin and body protection	: Wear suitable protective equipment. Wear as appropriate: Protective suit
Hygiene measures	: Take off all contaminated clothing immediately. Recommended preventive skin protection Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke.
Protective measures	: Ensure that eyewash stations and safety showers are close to the workstation location. Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: solid
Colour	: white
pH	: Note: no data available
Melting point/range	: 175 - 176 °C
Boiling point/boiling range	: Note: no data available
Flash point	: Note: Not applicable
Lower explosion limit	: Note: no data available
Upper explosion limit	: Note: no data available

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Density	: Note: no data available
Water solubility	: Note: no data available
Partition coefficient: n-octanol/water	: log Pow: 4.028
Ignition temperature	: Note: no data available
Decomposition temperature	: Note: No decomposition if used as directed.
Oxidizing properties	: Not applicable: Not expected to have oxidizing properties based on theoretical evaluation
Molecular weight	: 312.15 g/mol

10. STABILITY AND REACTIVITY

Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Hazardous polymerisation does not occur.
Conditions to avoid	: Protect from heat/overheating.
Incompatible materials to avoid	: Oxidizing agents
Hazardous decomposition products	: Carbon oxides nitrogen oxides Chlorine compounds

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50: 190 mg/kg Species: Rat
Acute inhalation toxicity	: Note: no data available

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Acute dermal toxicity : Note: no data available

Skin irritation : Note: no data available

Eye irritation : Note: no data available

Sensitisation : Note: no data available

Repeated dose toxicity : Note: no data available

Genotoxicity in vitro : Note: no data available

12. ECOLOGICAL INFORMATION**Toxicity**

Toxicity to fish : Note: no data available

Toxicity to daphnia and other
aquatic invertebrates : Note: no data available

Toxicity to algae : Note: no data available

Persistence and degradability

Biodegradability : Note: no data available

Other adverse effectsAdditional ecological
information : Harmful to aquatic organisms, may cause long-term adverse
effects in the aquatic environment.**13. DISPOSAL CONSIDERATIONS**

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Disposal methods : In accordance with local and national regulations.

14. TRANSPORT INFORMATION**ADR**

UN/ID No. : UN 2811
Description of the goods : TOXIC SOLID, ORGANIC, N.O.S.
(4'-HYDROXYDICLOFENAC)
Class : 6.1
Packing group : III
Classification Code : T2
Hazard Identification Number : 60
Labels : 6.1

IATA

UN/ID No. : UN 2811
Description of the goods : Toxic solid, organic, n.o.s.
(4'-Hydroxydiclofenac)
Class : 6.1
Packing group : III
Labels : 6.1
Packing instruction (cargo aircraft) : 677
Packing instruction (passenger aircraft) : 670
Packing instruction (passenger aircraft) : Y645

IMDG

UN/ID No. : UN 2811
Description of the goods : TOXIC SOLID, ORGANIC, N.O.S.
(4'-HYDROXYDICLOFENAC)
Class : 6.1
Packing group : III
Labels : 6.1
EmS Number 1 : F-A
EmS Number 2 : S-A
Marine pollutant : yes

15. REGULATORY INFORMATION**National regulatory information**

Vessel Safety Law : Toxic and infectious substances (Article 2 and 3 of rules on
JP VSL shipping and storage of dangerous goods and its Attached

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Table 1)

Aviation Law : Toxic and infectious substances (Article 194 of The
JP AVL Enforcement Rules of Aviation Law and its Attached Table 1)

Fire Service Law : Not relevant

Mutagens, New Chemicals : Listed

Poisonous and Deleterious : Not relevant
Substances Control Law

Other international regulations**Notification status**

1907/2006 (EU) : Not in compliance with the inventory

US. Toxic Substances : Not On TSCA Inventory
Control Act

Australia. Industrial Chemical : Not in compliance with the inventory
(Notification and
Assessment) Act

Canada. Canadian : Not in compliance with the inventory
Environmental Protection Act
(CEPA). Domestic
Substances List (DSL)

Japan. Kashin-Hou Law List : Not in compliance with the inventory

Japan. Industrial Safety & : Not in compliance with the inventory
Health Law (ISHL) List

Korea. Existing Chemicals : Not in compliance with the inventory
Inventory (KECI)

Philippines. The Toxic : Not in compliance with the inventory
Substances and Hazardous
and Nuclear Waste Control
Act

China. Inventory of Existing : Not in compliance with the inventory

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Chemical Substances

New Zealand. Inventory of
Chemicals (NZIoC), as
published by ERMA New
Zealand : Not in compliance with the inventory

16. OTHER INFORMATION**Further information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group