### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
  - **Product name:** Dexketoprofen Trometamol
  - **Part number:** MM3535.00
  - **CAS Number:** 156604-79-4
  - **EC number:** 605-065-4

- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
  - No further relevant information available.

- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** LGC Limited
  - **Tel:** +44 (0) 20 8943 7000
  - **Fax:** +44 (0) 20 8943 2767
  - **eMail:** gb@lgcstandards.com
  - **Web:** www.lgcstandards.com

- **1.4 Emergency telephone number:** +44 (0) 20 8943 7000 (Monday - Friday : 8am - 5pm)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**
    - GHS06 skull and crossbones
    - Acute Tox. 3 H301 Toxic if swallowed.
    - GHS08 health hazard
    - Repr. 1B H360 May damage fertility or the unborn child.
    - STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.
    - GHS07
    - Skin Irrit. 2 H315 Causes skin irritation.

- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**
    - The substance is classified and labelled according to the CLP regulation.
Product name: Dexketoprofen Trometamol

- **Hazard pictograms**
  - GHS06
  - GHS08

- **Signal word** Danger

- **Hazard statements**
  - H301 Toxic if swallowed.
  - H315 Causes skin irritation.
  - H360 May damage fertility or the unborn child.
  - H372 Causes damage to organs through prolonged or repeated exposure.

- **Precautionary statements**
  - P260 Do not breathe dust/fume/gas/mist/vapours/spray.
  - P280 Wear protective gloves/protective clothing/eye protection/face protection.
  - P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
  - P321 Specific treatment (see on this label).
  - P405 Store locked up.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:** Restricted to professional users.

2.3 Other hazards

- **Results of PBT and vPvB assessment**
  - PBT: Not applicable.
  - vPvB: Not applicable.

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**SECTION 3: Composition/information on ingredients**

- **3.1 Chemical characterisation: Substances**
  - CAS No. Description
  - 156604-79-4 Dexketoprofen Trometamol
  - Identification number(s) None
  - EC number: 605-065-4
  - RTECS:

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - General information:
    - Immediately remove any clothing soiled by the product.
    - Symptoms of poisoning may occur even after several hours; therefore medical observation for at least 48 hours after the accident is recommended.
    - In case of irregular breathing or respiratory arrest provide artificial respiration.

(Contd. on page 3)
SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable for surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**
  Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
  - **Protective equipment:** Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Avoid formation of dust.
- **6.2 Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  Remove dust thoroughly.
  Store in cool, dry place in tightly closed receptacles.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:**
      Please refer to the manufacturer's certificate for specific storage and transport temperature conditions.
      Store only in the original receptacle unless other advice is given on the CoA.
      Keep container in a well-ventilated place. Keep away from sources of ignition and heat.
    - **Information about storage in one common storage facility:** Store away from foodstuffs.
SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

- Control parameters

- Ingredients with limit values that require monitoring at the workplace: Not required.

- Additional information: Lists used were valid at the time of SDS preparation.

- Exposure controls

- Personal protective equipment:

  - General protective and hygienic measures:
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing
    Wash hands before breaks and at the end of work.
    Store protective clothing separately.
    Avoid contact with the skin.
    Avoid contact with the eyes and skin.

  - Respiratory protection:
    In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

  - Protection of hands:
    The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
    Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
    The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374

  - Protective gloves
    Butyl rubber, BR
    Penetration time of glove material
    The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

  - Eye protection:

    Tightly sealed goggles

(Contd. on page 5)
Product name: Dexketoprofen Trometamol

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- General Information
  - Appearance:
    - Form: Solid
    - Colour: White
    - Odour: Odourless
    - Odour threshold: Not determined.
  - pH-value: Not applicable.
  - Change in condition:
    - Melting point/freezing point: 107 °C
    - Initial boiling point and boiling range: Not determined.
  - Flash point: Not applicable.
  - Flammability (solid, gas): Not determined.
  - Ignition temperature: Not determined
  - Decomposition temperature: Not determined.
  - Auto-ignition temperature: Not determined.
  - Explosive properties: Not determined.

9.2 Other information

- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.
- Vapour pressure: Not applicable.
- Density: Not determined.
- Relative density: Not determined.
- Vapour density: Not applicable.
- Evaporation rate: Not applicable.
- Solubility in / Miscibility with:
  - Dimethyl sulfoxide: Very soluble.
  - Ethanol: Fairly soluble.
  - Isopropyl alcohol: Slightly soluble.
  - Water: Soluble.
- Partition coefficient: n-octanol/water: Not determined.
- Viscosity:
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.

9.2 Other information

No further relevant information available.
SECTION 10: Stability and reactivity

- 10.1 Reactivity
Stable under normal conditions.
No further relevant information available.
- 10.2 Chemical stability
Stable under normal conditions.
- Thermal decomposition / conditions to be avoided:
Formation of toxic gases is possible during heating or in case of fire.
- 10.3 Possibility of hazardous reactions
No dangerous reactions known.
- 10.4 Conditions to avoid
Heat.
- 10.5 Incompatible materials
Strong oxidizing agents.
- 10.6 Hazardous decomposition products:
Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity
Toxic if swallowed.
- LD/LC50 values relevant for classification:
  CAS: 22071-15-4 Ketoprofen
  Oral LD50 62.4 mg/kg (rat)
- Primary irritant effect:
- Skin corrosion/irritation
Causes skin irritation.
- Serious eye damage/irritation
Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
  Repr. 1B
- Germ cell mutagenicity
Based on available data, the classification criteria are not met.
- Carcinogenicity
Based on available data, the classification criteria are not met.
- Reproductive toxicity
May damage fertility or the unborn child.
- STOT-single exposure
Based on available data, the classification criteria are not met.
- STOT-repeated exposure
Causes damage to organs through prolonged or repeated exposure.
- Aspiration hazard
Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- 12.1 Toxicity
- Aquatic toxicity
  No further relevant information available.
- 12.2 Persistence and degradability
  No further relevant information available.
- 12.3 Bioaccumulative potential
  No further relevant information available.
- 12.4 Mobility in soil
  No further relevant information available.
48.1.36

· Additional ecological information:

· General notes:
  Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
  Do not allow product to reach ground water, water course or sewage system.
  Danger to drinking water if even small quantities leak into the ground.

· 12.5 Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

· 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods
  - Recommendation
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue
  Waste disposal key numbers from EWC have to be assigned depending on origin and processing.

· Uncleaned packaging:
  - Recommendation: Dispose of in accordance with national regulations.

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· 14.1 UN-Number
  - ADR, IMDG, IATA UN2811

· 14.3 Transport hazard class(es)
  - ADR, IMDG, IATA

  - Class 6.1 Toxic substances.
  - Label 6.1

· 14.4 Packing group
  - ADR, IMDG, IATA III

· 14.5 Environmental hazards:
  Not applicable.

· 14.6 Special precautions for user
  - Warning: Toxic substances.
  - Danger code (Kemler): 60
Safety data sheet
according to 1907/2006/EC, Article 31

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Product name: Dexketoprofen Trometamol

EMIS Number: F-A,S-A

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable.

Transport/Additional information:
ADR
Limited quantities (LQ) 5 kg
Code: E1
Maximum net quantity per inner packaging: 30 g
Maximum net quantity per outer packaging: 1000 g
Excepted quantities (EQ) Code: E1

Transport category 2
Tunnel restriction code E

UN "Model Regulation": UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (DEXKETOPROFEN TROMETAMOL), 6.1, III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU
Named dangerous substances - ANNEX I Substance is not listed.
Seveso category H2 ACUTE TOXIC
Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The information in this safety data sheet (SDS) has been prepared with due care and is true and accurate to the best of our knowledge. The user must determine the suitability of the information for its particular purpose, ensure compliance with existing laws and regulations, and be aware that other or additional safety or performance considerations may arise when using, handling and/ or storing the material. The information in this SDS does not purport to be all inclusive or a guarantee as to the properties of the material supplied, and should be used only as a guide. LGC makes no warranties or representations as to the accuracy and completeness of the information contained herein, shall not be held responsible for the suitability of this information for the user's intended purposes or the consequences of such use, and shall not be liable for any damage or loss, howsoever arising, direct or otherwise.

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
Product name: Dexketoprofen Trometamol

LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Repr. 1B: Reproductive toxicity – Category 1B
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

Sources

Data compared to the previous version altered. All sections have been updated.