

MATERIAL SAFETY DATA SHEET

Cipla

Product : **MELOXICAM**

Date of Issue : **30.04.2013**

Revision No. : **07**

1 IDENTIFICATION OF SUBSTANCE

Trade Name : MELOXICAM

Company : Cipla Limited

Head Office - 289, Bellasis Road, Mumbai Central, Mumbai

Maharashtra, India (Pin Code - 400 008)

*Manufacturing division – Cipla Limited,
D-7,D-27, D-22 M.I.D.C. Kurkumbh 413802*

*Dist : Pune , Maharashtra
India*

Telephone : (+91 2117) 230100/230181-182
(+91 2117) 235285, 235286

Fax : (+91 2117) 235232,
235284

Email : rakkb@cipla.com

Web site : www.cipla.com

Emergency Contact : (+91 2117) 230100
(+91 2117) 235285, 235286

2 HAZARD IDENTIFICATION

Classification as per EC-

Physical: This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential build up of static electricity. Dust may cause explosion. May emit toxic fumes under fire conditions

Health: Exposure might occur via inhalation, ingestion, skin absorption and eyes. Material may be harmful by inhalation, ingestion, skin absorption and eyes. May cause eye, skin and respiratory tract irritation.

Environmental : May be harmful to aquatic organisms

Label in accordance with EC-



Single Word – Danger

Contains-

Hazard Statement Code -

- H301 Toxic if swallowed
- H312 –Harmful in contact with skin
- H320 - Causes eye irritation

MATERIAL SAFETY DATA SHEET

Product	: MELOXICAM		
Date of Issue	: 30.04.2013	Revision No.	: 07

- R 7 - May cause Fire
- R 23/25 -Toxic by inhalation, & If swallowed

Precautionary statements -

- S- 2 Keep out of the reach of children
- S - 36 / 37 / 39 Wear suitable protective clothing, gloves and eye / face protection
- S - 57 Use appropriate containment to avoid environmental contamination
- S - 61 Avoid release to the environment.

Supplementary Precautionary Statement -

P 280 - Wear protective gloves/protective clothing/eye protection/face protection
 P 301/330/331 - If Swallowed Rinse mouth Do Not induce vomiting
 P 304/340 - If Inhaled, Remove victim to fresh air and keep at rest in a position comfortable for breathing
 P 303/361/353 - If on Skin (or hair) , Remove/Take off immediately all contaminated clothing , Rinse skin with water /shower
 P 305/351/338 -If in Eyes, Rinse continuously with water for several minutes, Remove contact lenses if present and easy to do continue rinsing
 P501A Dispose of contents/container to an approved company in accordance with National Regulations

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name : 4 -hydroxy-2 methyl-N-(5-methyl-2-thiazol-2-yl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide
Molecular Formula : C₁₄H₁₃ N₃ O₄S₂
Molecular Weight : 351.41
CAS No : [71125-38-7] **UN No.** : 3249 **EC No.** : Data not available

4 FIRST-AID MEASURES

General advice

- Inhalation** : Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Receive immediate medical attention.
- Skin Contact** : May cause irritation. Remove contaminated clothing. Flush with copious quantities of water. Receive immediate medical attention.
- Eye Contact** : May cause irritation. Flush eyes with copious quantities of water for at least 15 minutes. Receive immediate medical attention.
- Ingestion** : May cause irritation. Never attempt to induce vomiting. Do not attempt to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious. Wash out the mouth with water. Received immediate medical attention.

MATERIAL SAFETY DATA SHEET

Product	:	MELOXICAM		
Date of Issue	:	30.04.2013	Revision No.	: 07

Notes to Health Professionals

Medical Treatment : Medical treatment in cases of overexposure should be treated as an overdose of the product. Treat according to locally approved protocols.

Medical conditions Caused or Aggravated by exposure : No specific data available

Antidote : No specific data available

5 FIRE FIGHTING MEASURES

Fire & Explosion hazard : This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential build up of static electricity. Dust may cause explosion. May emit toxic fumes under fire conditions.

Extinguishing media : Water spray, Foam, Carbon dioxide, Dry Chemical Powder as appropriate for surrounding fire and material.

Special fire fighting procedure and protective measures : As with all fires, evacuate persons to safe area. Fire fighter should use self – contained breathing apparatus and protective clothing. If possible, contain and collect fire fighting water for later disposal.

Hazardous Combustion Products : Under fire conditions - May emit toxic fumes, carbon monoxide. Toxic, corrosive or flammable thermal decomposition products may expected under fire condition.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions : Avoid unwanted exposure. Wear self – contained breathing apparatus / approved respirator, Personal clothing including chemical compatible suit, hand gloves & boots, consistent and compatible with the degree of hazard.

Environmental Precaution : Vacuum or Sweep up the material, place in a bag / container and hold for waste disposal. Avoid raising dust. Take precautions to prevent entry into waterways, sewers or surface drain systems.

Clean - up Procedure : Place spillage in appropriate and labeled container / bag for waste disposal. Wash contaminated clothing before reuse. Ventilate area and wash spill site. Dispose off waste in accordance with applicable federal, state and local laws.

Decontamination Procedure : No specific decontamination procedure has been identified.

7 HANDLING AND STORAGE

Handling : Handle material with care. Avoid exposure to moisture, humid conditions and direct Sunlight. This material should be handled as per instructions to ensure product integrity. Avoid contact with skin, eyes and clothing. Avoid breathing dust or mist. Use with adequate controls to minimise dust and / or

MATERIAL SAFETY DATA SHEET

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Date of Issue : **30.04.2013**

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vapour concentrations and accumulation as well as for controlling electrostatic hazards. Handle product with wearing proper personal protective equipment mentioned in section 8. Wear fresh clothing daily. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not permit eating, drinking or smoking near the material. Handle material in accordance with applicable good industrial hygiene and safety procedures.

Storage :

- 1. Bulk Storage** - Store in well – closed container at the demarcated place i.e. cool, well ventilated places. Store material in cool dry place protected from light. Avoid exposure to moisture, humid conditions and direct sunlight. Keep away from all heat sources, ignition sources including sparks and incompatible material. This material should be handled and stored as per instructions to ensure product integrity.

- 2. Department Storage** - As mentioned above

Pictograms -



Keep Away
From Water



Keep Away From Sunlight,
cold, radioactive and Heat



Store between
15 °C to 30 °C

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazard category and Exposure Limits

Refer section 9, 10, 11 and 12

Personal protective equipment



Ensure before use - Personal Protective Equipment selected are consistent and compatible with degree of hazard. Ensure that Personal protective equipment which are to be use are tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU) etc.

Respiratory protection : Self Contained Breathing Apparatus, Respirator or Pressure suit

Hand protection : Chemically compatible hand gloves

Eye protection : Safety Goggle or Face Shield

Skin protection : Protective clothing including apron / suit, shoes

Exposure control Ventilation : Adequate ventilation is required. Provide local exhaust and mechanical ventilation.

Hygiene Measure : Use proper PPE, Do not expose any body part to material. In case of exposed clean body part with plenty of water.

MATERIAL SAFETY DATA SHEET

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor : A Pale yellow coloured powder

Vapour pressure : Data not available

Vapour density : Not applicable

Flash point : Data not available

Viscosity : Not applicable

Melting range : Decomposes at 254°C

Boiling point : Data not available

Specific gravity : Not applicable

Auto-ignition : Not applicable

Relative density : Data not available

Flammability : Data not available.

Solubility : Practically insoluble in water, slightly soluble in acetone, soluble in N, N dimethyl formamide, very slightly soluble in ethanol (96%) and in methanol.

10 STABILITY AND REACTIVITY

Stability : Stable (From safety point of view)

Incompatibilities / Conditions to avoid : Data not available

Hazardous decomposition products : When heated to decomposition, may emit toxic fumes.

Hazardous reactions : None under normal condition

Hazardous polymerization : Will not occur.

11 TOXICOLOGICAL INFORMATION

Material may be harmful by inhalation, ingestion or skin absorption. May cause eye and skin irritation.

Inhalation Toxicity : Harmful by inhalation **Eye Effects** : May cause irritation

Skin Effects : May cause irritation

Toxicity data

ORL - RAT LD 50 : 84 mg/kg **ORL - RABBITS LD 50** : 320 mg/kg

ORL - MICE LD 50 : 470 mg/kg **ORL - MINIPIGS LD 50** : 1600 mg/kg

12 ENVIRONMENTAL / ECOLOGICAL INFORMATION

Summary: This product may be harmful if releases directly to the environment. No information is available about the potential of this product to produce adverse environmental effects. Appropriate precautions should be taken to limit release of this material in the environment. Local regulations and procedures should be consulted prior to environmental release.

Ecotoxicity : No information is available

Degradability: No information is available

MATERIAL SAFETY DATA SHEET

Product	:	MELOXICAM	Revision No.	:	07
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13 DISPOSAL CONSIDERATION

Disposal Recommendations : Dispose material as Hazardous Waste and as per local, state and federal regulatory procedures and laws.

Regulatory Requirements : Dispose material as Hazardous Waste and as per local, state and federal regulatory procedures and laws.

14 TRANSPORT INFORMATION (UN Classification & Labeling) UN No. 3249

PSN : Medicine, solid, toxic, n.o.s. * (Meloxicam)

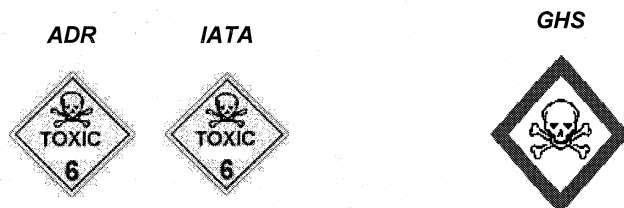
Safety Data Sheet should accompany all shipments for reference in the event of spillage or accidental release.

ADR Packing Group - III

ADR Class - 6.1

Additional Pictogram -

Pictogram -



Other Information :

Transportation of this product is not particularly restricted but packaging, labeling or transportation of product / consignment for air, maritime or ground transport purpose should be in adherence to transport regulations.

Refer pictogram and Class number / packing group.

15 REGULATORY INFORMATION

Labeling according to EEC directives : As mentioned in section 14 of this document

National legislation / regulations : ----

Any other regulatory information : ----

16 OTHER INFORMATION

Material Use and Category

Therapeutic category of material : Anti - inflammatory

Reference :

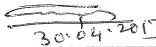
1. Globally Harmonized System Of Classification And Labeling Of Chemicals (GHS), Third revised Edition
2. MSDS From Santa Cruz Biotechnology, Inc
3. Boehringer Ingelheim Roxane Inc.


MATERIAL SAFETY DATA SHEET

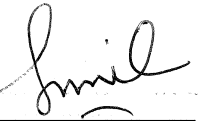


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Prepared By
Safety


30.04.2013
Checked By
Unit QA


30.04.2013
Approved By
Unit Head