SAFETY DATA SHEET
Meloxicam

1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Meloxicam raw material
CAS no: 71125-38-7
Synonyms: 4-hydroxy-2-methyl-N-(5-methyl-2-thiazolyl)-1,1-dioxide-2H-1,2benzothiazine-3-carboxamide; Coxicam; UH-AC 62XX

Company Identification: Solvet
411- 19th Street South East
Calgary, Alberta Canada
T2E6J7
www.solvet.ca

For information call: (403) 456-2245
Emergency number: (613) 996-6666 (CANUTEC)
1-800 463-5060 OR
(418) 656-8090 (Control Poison Center)

2. Hazards Identification

WHMIS Classification:

<table>
<thead>
<tr>
<th>D1B</th>
<th>Toxic Material Causing Immediate and Serious Toxic Effects</th>
<th>Toxic by ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>D2B</td>
<td>Toxic Material Causing Other Toxic Effects</td>
<td>Moderate skin irritant</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Moderate eye irritant</td>
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</tbody>
</table>

GHS Classification
Acute toxicity: Oral (Category 3)
Skin irritation: (Category 2)
Eye irritation: (Category 2A)
Specific target organ toxicity - single exposure (Category 3), Respiratory system

GHS Label elements, including precautionary statements
Pictogram

Signal word: Danger
Hazard statement(s)
H301  Toxic if swallowed.
H315  Causes skin irritation.
H319  Causes serious eye irritation.
H335  May cause respiratory irritation.

Precautionary statement(s)
P261  Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P301 + P310: IF SWALLOWED immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

HMIS Classification
Health hazard: 2 Flammability: 0 Physical hazards: 0

Potential Health Effects
Inhalation  May be harmful if inhaled. Causes respiratory tract irritation.
Skin  May be harmful if absorbed through skin. Causes skin irritation.
Eyes  Causes eye irritation.
Ingestion  Toxic if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Chemical Name</th>
<th>Chemical Formula</th>
<th>Risk Phrases/ GHS Classification</th>
</tr>
</thead>
</table>
| 71125-38-7| Meloxicam     | C_{14}H_{13}N_3O_4S_2 | Acute Tox. (O): H301  
Skin Corr. 2:H315  
Eye Damage 2A:H319  
TOST (SE)3:H335 H336 |

Molecular weight: 351.4
4. First Aid Measures

General Advice: Consult a physician, show this SDS to the doctor. Move out of dangerous area.

In Case of Inhalation: Remove to fresh air. If not breathing give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In case of Skin contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

In case of Ingestion: Wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

5. FIRE FIGHTING MEASURES

Conditions of flammability: Not flammable or combustible.
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary, and full protective gear to prevent contact with skin and eyes.
Hazardous combustion products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Sodium oxides.
Explosion data - sensitivity to mechanical impact: No data available
Explosion data - sensitivity to static discharge: No data available

6. ACCIDENTALE RELEASE MEASURES

Protective Precautions: Avoid raising and breathing dust, and provide adequate ventilation.
Protective Equipment: As conditions warrant wear self-contained breathing apparatus, or respirator and appropriate personal protection (rubber boots, safety goggles and heavy rubber gloves).

Environmental Precautions: Take steps to avoid release into the environment.
Methods and Material: Contain spill and collect as appropriate.
For containment and Cleaning up: Transfer to a chemical waste container for disposal accordance with local regulations.
7. HANDLING AND STORAGE

**Precautions for safe handling**
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage**
Keep container tightly closed in a dry and well-ventilated place. Store with desiccant. Store at room temperature. Protect from light.

8. Exposure controls/Personal Protection

**Personal protective equipment**

**Respiratory protection**
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection**
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**
Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Specific engineering controls**
Use mechanical exhaust or laboratory fumehood to avoid exposure.
9. PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula and Weight: C14H13N3O4S2 and 351.4

Appearance
Form: solid
Colour: light yellow, dark yellow

Safety data
Melting point/freezing point: No data available
Boiling point: No data available
Flash point: No data available
Ignition temperature: No data available
Auto-ignition temperature: No data available
Lower explosion limit: No data available
Upper explosion limit: No data available
Vapour pressure: No data available
Density: No data available
Water solubility: 7.5 g/l - soluble
Partition coefficient: n-octanol/water: No data available
Solubility in other solvents Dimethyl sulfoxide. (DMSO): 5 g/l - soluble
Relative vapour density: No data available
Evaporation rate: No data available

10. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.
Reactivity: No data available
Possibility of hazardous reactions: No data available
Conditions to avoid: No data available
Materials to avoid: Strong oxidizing agents
Hazardous decomposition products: Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Sodium oxides

Polymerisation: Will not occur
11. TOXICOLOGICAL INFORMATION

Toxicological Effects: The toxicological effects of this product have not been thoroughly studied

Toxicity Data:
- Oral LD₅₀ (rat) 1mg/Kg
- Subcutaneous LD₅₀ (mouse)
- Oral LD₅₀ (man) 0.11 mg/Kg

Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available
Respiratory or skin sensitisation: No data available
Germ cell mutagenicity: No data available
Carcinogenicity
  - IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
  - ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity: No data available
Teratogenicity: No data available

Potential health effects
- Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
- Ingestion: Toxic if swallowed.
- Skin: May be harmful if absorbed through skin. Causes skin irritation.
- Eyes: Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: No data available
Additional Information: RTECS number: DL0702000

12. ECOLOGICAL INFORMATION

Toxicity: Avoid release into environment
Runoff from fire control or dilution water may cause pollution

13. DISPOSAL CONSIDERATION

Disposal Methods: No specific disposal method required. Do not empty into drains; dispose of this material and its container in a safe way. Do not contaminate water, food, or feed by storage disposal
14. TRANSPORT INFORMATION

Land Transport DOT (US)
   DOT Proper Shipping Name: Not a dangerous goods

Air Transport (ICAO/IATA)
   (ICAO/IATA) Shipping Name: Not a dangerous goods

Marine pollutant: No
Poison Inhalation Hazard: No

15. REGULATORY INFORMATION

WHMIS Classification
D1B Toxic Material Causing Immediate and Serious Toxic Effects: Toxic by ingestion
D2B Toxic Material Causing Other Toxic Effects: Moderate skin irritant, Moderate eye irritant

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) List

<table>
<thead>
<tr>
<th>Hazardous Components (Name and CAS#)</th>
<th>S.302 (EHS)</th>
<th>S.304 RQ</th>
<th>S 313 (TRI)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meloxicam 71125-38-7</td>
<td>No</td>
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</tbody>
</table>

16. OTHER INFORMATION

SDS Number: SOL015
SDS creation date: Jan 14, 2016
Revision due: Jan 30, 2018

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Solvet be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Solvet has been advised of the possibility of such damages.

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.