



Centre Anti-Poison pour le Québec: (800) 463-5060  
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## SAFETY DATA SHEET

### SECTION 01 - PRODUCT AND COMPANY IDENTIFICATION

|                                                                                                                                                                     |                                    |                                             |                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------|------------------------|
| Product Identifier<br>IBUPROFENE                                                                                                                                    |                                    | Product Use<br>Laboratory use               |                        |
| Chemical formula<br>C <sub>13</sub> H <sub>18</sub> O <sub>2</sub>                                                                                                  |                                    | Product code<br>IU-0883; IP-0883            | Molar weight<br>206,27 |
| Chemical name / Commercial name / Synonymous<br>Ibuprofène; Alpha.-methyl-4(2-methylpropyl)-; Acide p-isobutyl-hydratropique; Acide 2-(4-isobutylphenyl)propanoïque |                                    |                                             |                        |
| Supplier's name<br>Laboratoire MAT                                                                                                                                  |                                    | Address-Street<br>610, Adanac Street        |                        |
| City<br>Québec                                                                                                                                                      |                                    | Province<br>Québec                          |                        |
| Postal code<br>G1C 7B7                                                                                                                                              | Internet<br>www.labmat.com         | Phone number<br>418-660-8666 / 800-890-8666 |                        |
| Emergency phone                                                                                                                                                     | CANUTEC: 613-996-6666              | CENTRE ANTI-POISON DU QUÉBEC 800-463-5060   |                        |
| Date SDS<br>12/10/2021                                                                                                                                              | SDS Prepared by<br>Laboratoire MAT | E-Mail<br>labmat@labmat.com                 |                        |

### SECTION 02 - HAZARDS IDENTIFICATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification WHIMS / GHS   | Acute toxicity - Oral category 4                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Signal Word                  | WARNING                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hazards statements (H)       | H302 Harmful if swallowed.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Precautionary statements (P) | <p>P264 Wash the areas of the body that have been in contact with the product after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P330 Rinse mouth.</p> <p>P501 Dispose of contents/container in accordance with local / regional / national / international regulations or contact a specialist waste disposal company.</p> |
| PICTOGRAMS                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Other dangers                | NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)                                                                                                                                                                                                                                                                                                                                                                                        |
|                              | <p>Health 1</p> <p>Fire 0</p> <p>Reactivity 0</p> <p>Special danger</p>                                                                                                                                                                                                                                                                                                                                                                                       |

### SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

| Ingrédients (Dénomination chimique / synonymes) | Numéro CAS et tout identificateur unique | Concentration (%) |
|-------------------------------------------------|------------------------------------------|-------------------|
| Ibuprofène                                      | 15687-27-1                               | ≤100              |

## SECTION 04 - FIRST AID MEASURES

|                                                                        |                                                                                                                                                          |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye contact</b>                                                     | Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention. |
| <b>Skin contact</b>                                                    | Wash skin with plenty of water for at least 15 minutes. Remove soiled clothing. If irritation persists, seek medical attention.                          |
| <b>Inhalation</b>                                                      | Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.                                                    |
| <b>Ingestion</b>                                                       | If the person is conscious, give water to drink. Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.     |
| <b>Most important symptoms and effects (acute and delayed)</b>         | Main symptoms of high exposure: Abdominal pain. Nausea and vomiting. Effects may be delayed. Ref. section 11.                                            |
| <b>Immediate medical attention and special treatment, if necessary</b> | In case of medical consultation, keep this sheet available.                                                                                              |
| <b>General advice</b>                                                  | Show this safety data sheet to the doctor in attendance.                                                                                                 |

## SECTION 05 - FIREFIGHTING MEASURES

|                                                                      |                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flammability</b>                                                  | No                                                                                                                                                                                                                                                        |
| <b>Ignition conditions</b>                                           | It is not considered flammable, but can burn at high temperatures.                                                                                                                                                                                        |
| <b>Suitable extinguishing media</b>                                  | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.                                                                                                                                                                                  |
| <b>Unsuitable extinguishing media</b>                                | Do not use a heavy water stream.                                                                                                                                                                                                                          |
| <b>Hazardous combustion products</b>                                 | Hazardous combustion products formed under fire conditions: Toxic vapors of carbon monoxide and dioxide.                                                                                                                                                  |
| <b>Special fire and explosion hazards</b>                            | May react violently with incompatible products (Ref Section 10).                                                                                                                                                                                          |
| <b>Special protective equipment and precautions for firefighters</b> | Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus. |

## SECTION 06 - ACCIDENTAL RELEASE MEASURES

|                                                                                                            |                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods and materials for containment and cleaning up / Personnel precautions, protective equipment</b> | Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Pick up with a shovel or broom, taking care not to scatter dust. Clean and rinse with water. Dispose of residues in a container provided for the disposal of hazardous materials. Do not let product enter drains. |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 07 - HANDLING AND STORAGE

|                                    |                                                                                                                                                                                                                                         |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conditions for safe storage</b> | Store in a cool, dry place. Keep container tightly closed away from heat, moisture, and incompatible materials.                                                                                                                         |
| <b>Methods of handling</b>         | Always open containers slowly to allow any excess pressure to vent. Avoid dust formation. Avoid breathing dust, fumes, gases, mists, vapors, aerosols. Provide appropriate exhaust ventilation at places where dust or vapor is formed. |

## SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### Workplace control parameters

| Components | CAS-No.    | Control parameters | Value             |                                                                                                                                         |
|------------|------------|--------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Ibuprofene | 15687-27-1 | TLV, TWA, STEL     | No data available | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)                                                                     |
|            |            | TLV, TWA, STEL     | No data available | Canada. British Columbia OEL                                                                                                            |
|            |            | TLV, TWA, STEL     | No data available | Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants |

|                            |                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ventilation</b>         | Proper ventilation or hood.                                                                                                                                                                    |
| <b>Respiratory</b>         | If the permissible levels are exceeded, use a mechanical filter / cartridge against NIOSH vapors or a respirator with air supply.                                                              |
| <b>Gloves</b>              | Handle with gloves.                                                                                                                                                                            |
| <b>Eyes</b>                | Safety goggles with safety shutters.                                                                                                                                                           |
| <b>Shoes</b>               | Safety shoes.                                                                                                                                                                                  |
| <b>Clothing</b>            | Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.                                     |
| <b>Engineering control</b> | Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values. |

## SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

|                                              |                                                                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Physical state</b>                        | Solid.                                                                                                                      |
| <b>Appearance</b>                            | Poudre cristalline de couleur blanche.                                                                                      |
| <b>Odour</b>                                 | Caractéristique.                                                                                                            |
| <b>Odour threshold</b>                       | Data not available                                                                                                          |
| <b>pH</b>                                    | Donnée non-disponible (pKa=5.2).                                                                                            |
| <b>Melting point / Freezing point</b>        | 75-77°C                                                                                                                     |
| <b>Initial boiling point</b>                 | 157°C                                                                                                                       |
| <b>Boiling range</b>                         | Data not available                                                                                                          |
| <b>Flash point</b>                           | Data not available                                                                                                          |
| <b>Evaporation rate</b>                      | Data not available                                                                                                          |
| <b>Flammability</b>                          | No                                                                                                                          |
| <b>Lower flammable / Explosive limit</b>     | Data not available                                                                                                          |
| <b>Upper flammable / Explosive limit</b>     | Data not available                                                                                                          |
| <b>Vapour pressure</b>                       | 4.74X10 <sup>-5</sup> mmHg @ 25 °C.                                                                                         |
| <b>Vapour density</b>                        | Data not available                                                                                                          |
| <b>Relative density</b>                      |                                                                                                                             |
| <b>Solubility</b>                            | Pratiquement insoluble dans l'eau 21mg/L à 25 °C; Très soluble dans l'alcool; soluble dans plupart des solvants organiques. |
| <b>Partition coefficient water/n-octanol</b> | 0,0000301-                                                                                                                  |
| <b>Auto-ignition temperature</b>             | Data not available                                                                                                          |
| <b>Decomposition temperature</b>             | Data not available                                                                                                          |
| <b>Viscosity</b>                             | Data not available                                                                                                          |

## SECTION 10 - STABILITY AND REACTIVITY

|                                                                                                  |                                                                                                        |
|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                                                                                | May react violently with incompatible substances.                                                      |
| <b>Chemical stability</b>                                                                        | Stable under recommended storage conditions. Sensitive to light.                                       |
| <b>Possibility of hazardous reactions</b>                                                        | May react violently with incompatible substances. May form combustible dust concentrations in the air. |
| <b>Conditions of instability (Including sensitivity to shock / static discharge / vibration)</b> | Avoid excessive heat and humidity. Avoid dust formation. Exposure to light.                            |
| <b>Incompatible material</b>                                                                     | Strong oxidizing agents.                                                                               |
| <b>Hazardous decomposition products</b>                                                          | Hazardous decomposition products formed under fire conditions. Carbon oxides.                          |

## SECTION 11 - TOXICOLOGICAL INFORMATION

### IBUPROFENE

|                                                  |                                                                                                                                                                                                                                             |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Routes of exposure</b>                        | Ingestion, inhalation, skin and eyes.                                                                                                                                                                                                       |
| <b>Acute exposition effects / symptoms:</b>      | By exposure route below.                                                                                                                                                                                                                    |
| <b>- Eyes</b>                                    | Irritation.                                                                                                                                                                                                                                 |
| <b>- Skin</b>                                    | May be harmful if absorbed through the skin. Provoke a skin irritation.                                                                                                                                                                     |
| <b>- Inhalation</b>                              | May be harmful if inhaled. Causes irritation of the respiratory system.                                                                                                                                                                     |
| <b>Acute toxicity (Ingestion)</b>                | For large quantities: mucous membrane irritation, abdominal pain, cramps, headache, dizziness, convulsions, nausea and vomiting.                                                                                                            |
| <b>Chronic exposure effects / symptoms</b>       | Probable respiratory tract sensitization in humans based on animal studies. May cause an allergic reaction of the respiratory system.                                                                                                       |
| <b>DL50 (specify species and route of entry)</b> | LD50 Oral - mouse -> 24,000 mg / kg Notes: Sensory Organs and Senses (Odority, Sight, Hearing and Taste): Sight: Ptosis Behavioral Effect: Drowsiness (decreased general activity) Respiratory condition. LD50 Dermal - Data not available. |
| <b>CL50 (specify species and route of entry)</b> | LC50 - Inhalation - Data not available. Remarks: Biochemical: Metabolism (intermediate): Effect on inflammation or on the origin of inflammation.                                                                                           |

## SECTION 12 - ECOLOGICAL INFORMATION

|                                      |                                     |
|--------------------------------------|-------------------------------------|
| <b>Ecotoxicity</b>                   | Data not available.                 |
| <b>Persistence and degradability</b> | Expected to be biodegradable        |
| <b>Bioaccumulative potential</b>     | Accumulation is not expected.       |
| <b>Mobility in soil</b>              | Moderate mobility in the soil.      |
| <b>Other adverse effects</b>         | Do not throw residues in the sewer. |

## SECTION 13 - DISPOSAL CONSIDERATIONS

|                               |                                                                                                                                                              |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste Disposal Method</b>  | Dispose of contents / container in accordance with local / regional / national / international regulations / or contact a specialist waste disposal company. |
| <b>Contaminated Packaging</b> | Dispose of as unused product.                                                                                                                                |

## SECTION 14 - TRANSPORT INFORMATION

|                                   |     |
|-----------------------------------|-----|
| <b>UN Number</b>                  | N/R |
| <b>UN Proper shipping name</b>    |     |
| <b>Transport hazard class(es)</b> |     |
| <b>Packing group</b>              |     |
| <b>Limited quantity index</b>     |     |
| <b>ERAP Index</b>                 |     |
| <b>Special precautions</b>        |     |

## SECTION 15 - REGULATORY INFORMATION

|              |                                  |
|--------------|----------------------------------|
| WHIMS CANADA | Acute toxicity - Oral category 4 |
|--------------|----------------------------------|

## SECTION 16 - OTHER INFORMATION

### Further information

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

**Last Update: 12/10/2021**