

Section 1: Identification

Common Name/Trade Name	FLURBIPROFEN USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours)
Product Synonym(s)	[1,1'Biphenyl] -4-acetic acid ,2-fluoro- α -methyl-,(±)-2-(2-fluoro-4- biphenyl) propionic acid	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute toxicity, Oral (Category 3)	
Signal Word	Danger	
Hazard Statement(s)	H301 H315	Toxic if swallowed Causes skin irritation
Pictogram(s)		
Precautionary Statement(s)	P264 P273 P280 P302+P312 P302+P352 P305+P351+P338 P308+P313 P332+P313 P337+P313 P501	Wash hands thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN Wash with soap and water. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. IF exposed or concerned Get medical advice/attention. If skin irritation occurs Get medical advice/attention. If eye irritation persists Get medical advice/attention. Dispose of contents/container to an approved waste disposal plant.
Hazards Not Otherwise Classified	No information available	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	[1,1'Biphenyl] -4-acetic acid ,2-fluoro- α -methyl-,(±)-2-(2-fluoro-4- biphenyl) propionic acid
Common Name	Flurbiprofen
CAS Number	5104-49-4
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	Remove patient from exposure, keep warm and at rest. If symptoms persist, obtain medical attention.
In Case of Skin Contact	Remove contaminated clothing immediately and drench affected skin with plenty of water, then wash with soap and water. If symptoms persist, obtain medical attention.
In Case of Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.
If Swallowed	Do not induce vomiting. Provided the patient is conscious, wash out mouth with water. Obtain immediate medical attention.
Most Important Symptoms and Effects	May cause allergic skin reaction. Cardiovascular effects. Indication of any immediate medical attention and special treatment needed: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Water spray, foam, dry powder or CO2.
Special Hazards Arising From the Substance/Mixture	No unusual fire or explosion hazards noted.
Special PPE and/or Precautions for Firefighters	A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep fire exposed containers cool by spraying with water.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Eliminate sources of ignition. Avoid contact with skin and eyes. Avoid inhalation of dusts. Wear suitable protective clothing and gloves. Provide adequate ventilation.
Methods and Materials Used for Containment	Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the Environment
Cleanup Procedures	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid the generation of dusts during clean-up.

Section 7: Handling and Storage

Precautions for Safe Handling	Eliminate sources of ignition. Provide adequate ventilation. Avoid inhalation of vapours. Avoid contact with skin and eyes. Wear suitable protective clothing. See Section:8.
Conditions for Safe Storage	Preserve in tight, light resistant containers at controlled temperature between 15o C and 30o C. This material should be handled and stored as per label instructions to ensure product integrity

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	No information available
Appropriate Engineering Controls	Provide adequate ventilation, including appropriate local extraction if dusts, fumes or vapours are likely to be evolved.
PPE - Eye/Face Protection	Goggles giving complete protection to eyes.
PPE - Skin Protection	Wear suitable gloves and suitable protective clothing.
PPE - Body Protection	Wear suitable gloves and suitable protective clothing.
PPE - Respiratory Protection	In case of insufficient ventilation or workplace exposure limits are exceeded wear suitable respiratory equipment.

Section 9: Physical and Chemical Properties

Appearance	White crystalline powder
Upper/Lower Flammability or Explosive Limits	No data available
Odor	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No information available
Relative Density	No data available
Melting Point/Freezing Point	Between 114° C and 117° C
Solubility	Solubility (Water): Practically insoluble. Solubility (Other): Freely soluble in acetone, in dehydrated ethanol, in ether, and in methanol; soluble in acetonitrile.
Initial Boiling Point and Boiling Range	No data available
Flash Point	No information available
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	4.16
Auto-Ignition Temperature	No information available
Decomposition Temperature	No data available
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	No information available
Chemical Stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No information available.
Conditions to Avoid	Avoid friction, sparks, or other means of ignition. Keep away from heat and direct sunlight.
Incompatible Materials	Strong oxidizing agents. Strong acids. Strong bases
Hazardous Decomposition Products	May give off toxic fumes in a fire condition.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	Acute toxicity LD50 Rat Oral 117 mg/kg LD50 Rabbit Dermal 500 mg/kg
Acute Toxicity - Inhalation	No information available
Acute Toxicity - Dermal	Toxic in contact with skin. May cause an allergic skin reaction.
Acute Toxicity - Eye	May causes eye irritation
Skin Corrosion/Irritation	Toxic in contact with skin. May cause an allergic skin reaction.
Serious Eye Damage/Irritation	No information available.
Respiratory or Skin Sensitization	No information available.
Germ Cell Mutagenicity	No information available.
Carcinogenicity IARC	Due to lack of data the classification is not possible. This material is not considered to be a carcinogen by IARC, NTP, or OSHA.
Carcinogenicity ACGIH	Due to lack of data the classification is not possible. This material is not considered to be a carcinogen by IARC, NTP, or OSHA.
Carcinogenicity NTP	Due to lack of data the classification is not possible. This material is not considered to be a carcinogen by IARC, NTP, or OSHA.
Carcinogenicity OSHA	Due to lack of data the classification is not possible. This material is not considered to be a carcinogen by IARC, NTP, or OSHA.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity - Single Exposure	No information available.
Specific Target Organ Toxicity - Repeated Exposure	Causes damage to organs (cardiovascular system, gastrointestinal tract) through prolonged or repeated exposure.
Aspiration Hazard	No information available.

Section 12: Ecological Information

Toxicity	No information available.
Persistence and Degradability	No information available.
Bio-accumulative Potential	No information available.
Mobility in Soil	No information available.
Other Adverse Effects	No information available.

Section 13: Disposal Considerations

Waste Treatment Methods Product	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. To be disposed of as hazardous waste. Disposal should be in accordance with local, state or national legislation.
Waste Treatment Methods Packaging	No further data available.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	2811
UN Proper Shipping Name	Toxic solids, organic, n.o.s. (Flurbiprofen)
Transport Hazard Class(es)	6.1
Packaging Group	III
Environmental Hazards	No data available

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture substance or mixture This Safety Data Sheet was prepared in According to GHS Classification in accordance with 29 CFR 1910 (OSHA HCS). Chemical Safety Assessment No information available. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories: Immediate Hazard – Yes Delayed Hazard – Yes Fire Hazard – No Pressure Hazard – No Reactivity Hazard - No

Section 16: Other Information

Additional Information	N/A
Prepared By	Lisa Russell
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