

**Section 1: Identification**

<b>Product Name</b>	Flurbiprofen USP & BP
<b>Commercial Name</b>	Froben FP 70
<b>Product Use</b>	As an anti-inflammatory and analgesic in the treatment of rheumatoid arthritis and allied condition
<b>Restrictions On Use</b>	Not available
<b>Product Code</b>	30-2701
<b>Company</b>	<p>Flurbiprofen USP &amp; BP</p> <p>In case of emergency contact: <b>CHEMTREC (24hr) 1-800-424-9300</b></p>
	<p>9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760</p>

**Section 2: Hazard(s) Identification**

<b>OSHA Haz Com:</b>	Acute toxicity, oral	Category 3	Acute toxicity, dermal	Category 3	Sensitization, skin	Category 1
<b>CFR 1910.1200</b>	Reproductive toxicity	Category 2	Specific target organ toxicity, R.E.	Category 1		
<b>Signal Word</b>	<b>DANGER</b>					
<b>Hazard Statement(s)</b>	Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Causes damage to organs (cardiovascular system, gastrointestinal tract) through prolonged or repeated exposure.					

**Pictogram(s) or Symbol(s)**

**Precautionary Statement(s):**

<b>Prevention</b>	P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product.
<b>Response</b>	P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
<b>Storage</b>	P405 Store locked up.
<b>Disposal</b>	P501 Dispose of contents/ container to an approved waste disposal plant.

**Section 3: Composition/Information on Ingredients**

<b>Substance/Mixture</b>	Substance
<b>Components</b>	Flurbiprofen USP &BP
<b>% By Weight</b>	100
<b>CAS#</b>	5104-49-4
<b>Molecular Weight</b>	244.26 g/mole
<b>Chemical Formula</b>	C15H13FO2
<b>Synonym(s)</b>	(±)-2-Fluoro-a-methyl-4-biphenylacetic acid L-790,330

<b>Mixtures</b>	<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
	Flurbiprofen USP & BP	5104-49-4	100		

**Section 4: First-Aid Measures**

<b>Inhalation</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin Contact</b>	Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.
<b>Eye Contact</b>	Flush eyes with water as a precaution.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Symptoms/Effects</b>	
<b>Acute</b>	Not available.
<b>Delayed</b>	Not available

**Immediate Medical Attention**

Not available.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media**

Not available.

**Products of Combustion**

Carbon oxides, Hydrogen fluoride

**Firefighters Special Equipment and Precautions**

Wear self-contained breathing apparatus for firefighting if necessary.

**Section 6: Accidental Release Measures**

6.1 Personal precautions, protective equipment and emergency procedures - Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8. 6.2 Environmental precautions - Prevent further leakage or spillage if safe to do so. Do not let product enter drains. 6.3 Methods and materials for containment and cleaning up - Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Section 7: Handling and Storage**

7.1 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. For precautions see section 2.2. 7.2 Conditions for safe storage, including any incompatibilities - Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects 7.3 Specific end use(s) - Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

**Section 8: Exposure Controls/Personal Protection**

<b>Exposure Limits</b>	Not available.
<b>Engineering Controls</b>	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.



## Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Flurbiprofen USP & BP

30-2701

### Personal Protection

Eye/face 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 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. Full contact - Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. 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. 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). Control of environmental exposure - Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	Solid	<b>pH</b>	Not available
<b>Odor</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Odor Threshold</b>	Not available	<b>Vapor Density</b>	Not available
<b>Melting Point</b>	110 - 112 °C (230 - 234 °F) -	<b>Viscosity</b>	not available.
<b>Freezing Point</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Boiling Point/Range</b>	not available.	<b>Autoignition temperature</b>	Not available
<b>Decomposition temperature</b>	Not available	<b>Flammability or Explosive Limits:</b>	
<b>Partition Coefficient: n-octanol/water</b>	Not available	<b>Lower</b>	Not available
<b>Flash Point</b>	Not available.	<b>Upper</b>	Not available
<b>Flammability</b>	Not available		
<b>Solubility(ies)</b>	Not available		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization</b>	Not available.
<b>Conditions to Avoid</b>	Not available
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon oxides, Hydrogen

**Section 11: Toxicological Information**
**RTECS** DU8341000

**Acute Toxicity**

LD50 Oral - Rat - 117 mg/kg Remarks: Behavioral:Ataxia. Diarrhoea Blood:Normocytic anemia. Inhalation: No data available  
Dermal: No data available No data available Not carcinogenic in mice or rats. Not teratogenic in mice, rats, or rabbits. Inhibits prostaglandin synthesis.

**Skin Corrosion/Irritation**

Not available

**Serious Eye Damage/Irritation**

Not available

**Respiratory or Skin Sensitization**

Not available

**Germ Cell Mutagenicity**

Not available

**Carcinogenicity**

Not a carcinogen

**Reproductive Toxicity**

Not available

**Routes of Entry**

Not available

**Symptoms Related to Exposure**

Not available

**Potential Health Effects**

Not available

**Target Organ(s)** Not available**Section 12: Ecological Information****Ecotoxicity**

Not available.

**Persistence and Degradability**

No relevant data available

**Bioaccumulative Potential**

No relevant data available

**Mobility in Soil**

No relevant data available

**Other Adverse Effects**

No relevant data available

**Section 13: Disposal Considerations****Waste Disposal**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Disposal of Container**

Dispose of as unused product.

**Other Considerations**

Not available

**Section 14: Transport Information****DOT Classification**

UN number: 2811 Class: 6.1 Packing group: III Proper shipping name: Toxic solids, organic, n.o.s. (Flurbiprofen) Reportable

Quantity (RQ): Poison Inhalation Hazard: No

**Section 15: Regulatory Information****Regulations**

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

**Other**

Not available.

**Section 16: Other Information**

Not available.