

MATERIAL SAFETY DATA SHEET

**ASPIRIN SUPPOSITORIES**

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**SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS**

PRODUCT NAME: Aspirin Suppositories, 125 mg, 300 mg & 600 mg

SYNONYMS: N/A

MOLECULAR FORMULA: Mixture

MOLECULAR WEIGHT: N/A

CHEMICAL NAME: N/A

CHEMICAL FAMILY: Analgesic

INGREDIENT*	(CAS #)	%	OSHA PEL	ACGIH TLV
Aspirin (50-78-2)	15 (125 mg & 300 mg)		5 mg/M <sup>3</sup>	(dust) 5 mg/M <sup>3</sup>
	30 (600 mg)		5 mg/M <sup>3</sup>	(dust) 5 mg/M <sup>3</sup>
Fatty acid ester	85 (125 mg & 300 mg)		N/A	N/A
	70 (600 mg)		N/A	N/A

\* Any ingredient not listed is; non-hazardous and constitutes less than 5% of the product, hazardous but constitutes less than 1% of the product, carcinogenic but constitutes less than 0.1% of the product.

**SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS**

BOILING POINT: N/A

VAPOR PRESSURE: N/A

MELTING POINT: 31-37°C

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: N/A  
(WATER = 1)

EVAPORATION RATE: Nil  
(BUTYL ACETATE = 1)

WATER SOLUBILITY: Insoluble

WATER REACTIVE: No

APPEARANCE AND ODOR: White to creamy white, torpedo-shaped suppository that is practically odorless.

<b>SECTION 3 - FIRE AND EXPLOSION DATA</b>
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FLASH POINT (METHOD): N/A AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Dry chemical, foam or CO<sub>2</sub>.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: As with any organic compound, this material may produce toxic carbon monoxide and carbon dioxide fumes if heated to decomposition (as under fire conditions).

<b>SECTION 4 - REACTIVITY HAZARD DATA</b>
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STABILITY: Stable ( X ) Unstable ( )

INCOMPATIBILITY (MATERIALS TO AVOID): None reported.

HAZARDOUS DECOMPOSITION PRODUCTS: As with any organic compound, this material may produce toxic carbon monoxide and carbon dioxide fumes if heated to decomposition.

HAZARDOUS POLYMERIZATION: May Occur ( ) Will Not Occur ( X )

<b>SECTION 5 - HEALTH HAZARD DATA</b>
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TOXICITY: LD<sub>50</sub>: (Aspirin) Oral (man) = 300-400 mg/kg  
Dermal (rabbit) = 7,940 mg/kg

CARCINOGEN LISTED BY: NTP Yes ( ) No ( X )  
IARC Yes ( ) No ( X )  
OSHA Yes ( ) No ( X )  
Other Yes ( ) No ( X )

ROUTES OF ENTRY: Absorption, contact.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: Represents little or no inhalation hazard.

EYE CONTACT: May cause irritation.

SKIN CONTACT: May cause irritation.

INGESTION: May cause irritation of the gastrointestinal tract.

CHRONIC EFFECTS OF OVEREXPOSURE: Possible hypersensitization to this material, anorectal irritation, ringing in the ears, nausea, vomiting, metabolic disturbances and possible kidney damage. Aspirin has caused birth defects in laboratory animals only at levels toxic to the mother.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Renal dysfunction, hypersensitivity to this material. See other precautions immediately below.

OTHER PRECAUTIONS TO CONSIDER: Children and teenagers should not use any product containing aspirin for chicken pox or flu symptoms due to the increased likelihood of developing Reye syndrome, a rare but serious illness. Reye syndrome is a potentially fatal acute childhood encephalopathy with visceral fatty degeneration especially involving the liver. This syndrome usually follows shortly after a nonspecific febrile illness and is characterized by an abrupt onset with persistent, severe vomiting, lethargy, irrational behavior, and progressive encephalopathy leading to coma, seizures, and death. Persons developing hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

**EMERGENCY FIRST AID PROCEDURES:**

INHALATION: No significant adverse effects expected.

EYE CONTACT: Flush with water for at least 15 minutes. If irritation persists or develops seek medical attention.

SKIN CONTACT: Wash thoroughly with soap and water. If irritation persists or develops seek medical attention.

INGESTION: Seek medical attention or contact a poison control center.

<b>SECTION 6 - CONTROL AND PROTECTIVE MEASURES</b>
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RESPIRATORY PROTECTION: None normally required.

PROTECTIVE GLOVES: Rubber.

EYE PROTECTION: None normally required.

VENTILATION: No special venting normally required.

OTHER PROTECTIVE EQUIPMENT: Appropriate laboratory apparel.

HYGIENIC WORK PRACTICES: Wash thoroughly after handling.

**SECTION 7 - HANDLING AND STORAGE PRECAUTIONS**

HANDLING PRECAUTIONS: Avoid contact with eyes or skin. Wash thoroughly after handling. Avoid exposure to heat.

STORAGE PRECAUTIONS: Store in a tight container in a cool (8-15°C) or refrigerated location away from potential contamination sources

**SECTION 8 - SPILL AND DISPOSAL PROCEDURES**

STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE: Wear protective gloves and pick or scrape up spillage and place in a tight container. Wash after handling.

WASTE DISPOSAL METHOD: Dispose of in accordance with all applicable local, state, federal, and environmental regulations.

**SECTION 9 - DISCLAIMER**

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DEFINITIONS OF ABBREVIATIONS USED:

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstract Service
IARC:	Internal Agency for Research on Cancer
IDLH:	Immediately Dangerous to Life or Health level
LC <sub>50</sub> :	Median Lethal Concentration
LD <sub>50</sub> :	Median Lethal Dose
MSHA:	Mine Safety and Health Administration
N/A:	Not available
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time Weighted Average