

MATERIAL SAFETY DATA SHEET

MORPHINE SULFATE SUPPOSITORIES

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SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS

PRODUCT NAME: Morphine Sulfate Suppositories, USP
(5 mg, 10 mg, 20 mg & 30 mg)

SYNONYMS: N/A

MOLECULAR FORMULA: Mixture MOLECULAR WEIGHT: N/A

CHEMICAL NAME: N/A CHEMICAL FAMILY: Narcotic analgesic (CII)

<u>INGREDIENT (CAS NUMBER)</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Morphine sulfate (6211-15-0)	5 mg	0.14	N/A
	10 mg	0.28	N/A
	20 mg	0.56	N/A
	30 mg	0.85	N/A
Fatty acid ester (N/A)	90	N/A	N/A
Polysorbate 80 (9005-65-6)	5	N/A	N/A

Other ingredients not listed above are considered not hazardous and are present at a concentration of less than 5%.

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: 0.90
(WATER = 1)

EVAPORATION RATE: N/A
(BUTYL ACETATE = 1)

WATER SOLUBILITY: Insoluble

WATER REACTIVE: No

APPEARANCE AND ODOR: White to creamy-white, waxy, torpedo-shaped suppositories; odorless.

SECTION 3 - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): N/A NFPA RATING: N/A

AUTOIGNITION TEMPERATURE: N/A

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

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical, or foam as appropriate for surrounding fire conditions and materials.

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 compounds, this material may produce toxic fumes if heated to decomposition under fire conditions.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable (X) Unstable ()

INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalis or caustics, strong oxidizers.

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

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

SECTION 5 - HEALTH HAZARD DATATOXICITY: No specific toxicity data available for this product. The following information is for morphine sulfate.

LD ₅₀ :	Oral (rat)	461 mg/kg
	Oral (mouse)	600 mg/kg

Investigated as a mutagen, reproductive effector.

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: No adverse effects expected under normal conditions of use.

EYE CONTACT: Will cause slight to moderate irritation, may cause narcotic effect exhibited by pupil contraction.

SKIN CONTACT: May cause slight irritation, absorption may occur through skin breakage or inflammation.

INGESTION: Narcotic. Human lethal dose probably 120-250 mg of morphine sulfate. In addition to analgesic action, may cause gastric disturbance evidenced by nausea, vomiting, and constipation. Ingestion of large amounts may cause central nervous system depression, respiratory or cardiac collapse, coma and death.

CHRONIC EFFECTS OF OVEREXPOSURE: May cause addiction. Possible hypersensitization to this material.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Sensitization may occur evidenced by skin rashes, cough, stuffy nose, asthma and other allergic complaints.

OTHER PRECAUTIONS TO CONSIDER: Persons developing hypersensitivity (anaphylactic) reactions must receive immediate medical attention.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: No adverse effects expected due to inhalation under normal conditions of use.

EYE CONTACT: Flush with water for at least 15 minutes. 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 immediately.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES
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RESPIRATORY PROTECTION: No special respiratory protection required under normal conditions of use.

PROTECTIVE GLOVES: Latex gloves recommended.

EYE PROTECTION: No special protection required under normal conditions of use, however, prudence indicates that safety glasses or goggles be worn to avoid incidental eye contact.

VENTILATION: No special ventilation required under normal conditions of use.

OTHER PROTECTIVE EQUIPMENT: No special protective equipment required under normal conditions of use.

HYGIENIC WORK PRACTICES: Wash thoroughly after handling and wash contaminated clothing before reuse.

SECTION 7 - HANDLING AND STORAGE PRECAUTIONS

HANDLING PRECAUTIONS: Avoid contact with eyes, skin or clothing. Wash thoroughly after handling and wash any contaminated clothing before reuse.

STORAGE PRECAUTIONS: Store at temperatures below 77°F. CONTROLLED SUBSTANCE (Schedule 2). Storage location must comply with all Drug Enforcement Agency regulations.

SECTION 8 - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE: Wearing suitable eye and hand protection sweep or scrape up spillage and place in a tight container. Wash spill site. Wash thoroughly or shower after handling and wash all clothing before reuse.

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 ₅₀ :	Median Lethal Concentration
LD ₅₀ :	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