

MATERIAL SAFETY DATA SHEET

**IPECAC SYRUP**

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

PRODUCT: Ipecac Syrup USP

SYNONYMS: Syrup of Ipecacuanha

MOLECULAR FORMULA: Mixture.

MOLECULAR WEIGHT: N/A

CHEMICAL FAMILY: Emetic/expectorant

| INGREDIENT (CAS #)      | %         | OSHA TWA                              | ACGIH TWA                             |
|-------------------------|-----------|---------------------------------------|---------------------------------------|
| Ethyl Alcohol (64-17-5) | 1.9 - 2.3 | 1000 ppm<br>(1900 mg/m <sup>3</sup> ) | 1000 ppm<br>(1900 mg/m <sup>3</sup> ) |

**SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS**

BOILING POINT: N/A

VAPOR PRESSURE: N/A

MELTING POINT: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 1.20  
(WATER = 1)

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

WATER SOLUBILITY: Miscible.

WATER REACTIVE: No.

APPEARANCE AND ODOR: Amber to pale brown, syrupy liquid; characteristic, aromatic odor.

**SECTION 3 - FIRE AND EXPLOSION DATA**

FLASH POINT (METHOD): N/A

AUTOIGNITION TEMPERATURE: N/A

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

EXTINGUISHING MEDIA: Water fog, carbon dioxide

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 dioxide vapors (among others) upon heating to decomposition.

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

INCOMPATIBILITY (MATERIALS TO AVOID): None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

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

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| <b>SECTION 5 - HEALTH HAZARD DATA</b> |
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TOXICITY: Although rare, deaths have followed overdosage with ipecac administered as an emetic. There have been several reports of ipecac poisoning due to the substitution of ipecac fluid extract for ipecac syrup (the extract is approximately 14 times stronger than the syrup).

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

ROUTES OF ENTRY: Inhalation, ingestion.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: Irritation of the respiratory tract, dizziness, nausea, and/or headache.

EYE CONTACT: Irritation of the eye.

SKIN CONTACT: Possible skin irritation.

INGESTION: Irritation of the gastrointestinal tract, vomiting, and/or diarrhea.

CHRONIC EFFECTS OF OVEREXPOSURE: Ingestion of large doses can cause persistent vomiting and bloody diarrhea. Deaths have followed overdosage with ipecac administered as an emetic.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Nausea, diarrhea, gastrointestinal upset.

OTHER PRECAUTIONS: Poisoning by anti-emetics and phenothiazine derivatives should be treated by prompt gastric lavage rather than by an emetic. Ipecac syrup should **NOT** be used in patients in a state of coma or shock or in patients who have ingested corrosive agents when the dangers from aspiration are greater than those of ingestion.

#### EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove from exposure. If not breathing give artificial respiration. Seek immediate medical attention.

EYE CONTACT: Flush with water for 15 minutes. Seek medical attention.

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

INGESTION: Dilute by giving 2 glasses of water. Seek immediate medical attention or contact a poison control center immediately.

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| <b>SECTION 6 - CONTROL AND PROTECTIVE MEASURES</b> |
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RESPIRATORY PROTECTION: If working with large amounts a NIOSH-approved canister respirator or supplied air respirator should be worn to avoid overexposure to fumes.

PROTECTIVE GLOVES: Rubber or latex.

EYE PROTECTION: Safety glasses with side shields or goggles.

VENTILATION: General room ventilation.

OTHER PROTECTIVE EQUIPMENT: None.

HYGIENIC WORK PRACTICES: Do not eat, drink or smoke near this material. Remove any contaminated clothing and wash before reuse. Wash any exposed skin area with soap and water.

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| <b>SECTION 7 - HANDLING AND STORAGE PRECAUTIONS</b> |
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HANDLING PRECAUTIONS: Avoid contact with eyes, skin or clothing. Avoid breathing fumes or ingestion.

STORAGE PRECAUTIONS: Avoid exposure to heat.

OTHER PRECAUTIONS: See Hygienic Work Practices above.

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| <b>SECTION 8 - SPILL AND DISPOSAL PROCEDURES</b> |
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**STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE:** Wear protective equipment including NIOSH-approved respirator for fumes, gloves, and glasses or goggles. Mop up spillage with absorbent material and place in a tight container. Wash any exposed skin area and wash clothing before reuse.

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

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| <b>SECTION 9 - DISCLAIMER</b> |
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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  
LD50: Median Lethal Dose  
N/A: Not available  
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