

MATERIAL SAFETY DATA SHEET

Guaifenesin Powder USP

AHC Products, Inc.

PRODUCT NAME: (As used on label and list): Guaifenesin Powder USP

This Material Safety Data Sheet is being provided to your company, for the purpose of providing current health and safety information to your management and employees who work with this product. Please read the data provided and then provide it to those individuals at your company who have the responsibility to insure compliance with both Federal and State Right to Know regulations, and to those employees that request information on this product.

Federal Regulations: Parts 29 and 42 Code of Federal Regulations

Date Prepared: 11/16/1999

SECTION I – PRODUCT IDENTIFICATION

MANUFACTURER: AHC Products, Inc.

AHC Products, Inc.

301 West Broadway

Winchester, Kentucky

606/737-3441

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT (Specific Chemical Identity; Common Names): Guaifenesin 3-(2-methoxyphenoxy)-1,2-Propanediol; Glyceryl Guaiacolate

CAS Reg Number: 93-14-1 OSHA Hazard: Y Percentage: >98

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE (MM HG): 0.2 mmHg at 127° C (261° F)

VAPOR DENSITY: 6.8

SPECIFIC GRAVITY (H₂O=1): 0.6 at 20°C (68°F)

MELTING POINT: 80° to 82°C (176° to 180° F)

SOLUBILITY IN WATER: Slightly soluble 5 Wt/Wt% at 20°C (68°F)

APPEARANCE AND ODOR: White Powder Solid, odorless

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 176°C (350°F). Flammability Class: will burn

AFNOR T 60103 (EEC closed cup)

FLAMMABLE LIMITS:

LEL: No data

UEL: No data

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water spray, foam.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Like all organic and most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.

SECTION V – REACTIVITY DATA

STABILITY: This material is stable under normal handling and storage conditions.

CONDITIONS TO AVOID: dusting conditions, extreme heat, open flame, static electricity.

INCOMPATIBILITY (MATERIALS TO AVOID): strong bases, strong acids, strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: oxides of carbon

AUTOIGNITION TEMPERATURE: 550° C (1022° F)

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: N/A

SECTION VI – HEALTH HAZARD DATA

ROUTES OF ENTRY:

EYE: May cause irritation.

INHALATION: Low acute inhalation toxicity.

SKIN: Skin absorption not likely.

INGESTION: Harmful if ingested. Some people may be hypersensitive to this product. May cause respiratory depression.

HEALTH HAZARDS (ACUTE AND CHRONIC): This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. People who are hypersensitive to this product should not work with it.

EMERGENCY AND FIRST AID PROCEDURES:

EYE: Hold eyelids open and flush with a steady, gently stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

SKIN: In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention if irritation develops or persists. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes for re-use.

INHALATION: Remove victim from immediate source of exposure and assure that the victim is breathing. If breathing is difficult administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

INGESTION: If victim is conscious and alert, give 2-3 glasses of water to drink and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up and place in an appropriate closed container. Avoid creation of dusty conditions. Use non-sparking tools. Clean up residual material by washing area with water.

WASTE DISPOSAL METHOD: Chemical additions, processing or otherwise altering this material may make the waste management information presented herein incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts. This material is a pharmaceutical. Use the usual precautions associated with the handling of such products. Dry powders can build static electricity charges when subjected to the friction of conveying, mixing or sliding. Provide adequate precautions, such as electrical grounding, or inert atmospheres when material is used in the presence of flammable materials to prevent ignition. Store in tightly closed containers. Store in an area that is dry, well-ventilated.

SECTION VIII – CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFIC TYPE): When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate OSAH, WHMIS or ANSI standard(s): air-purifying (half-mask/full-face) respirator with cartridges/canister approved for use against dusts, mists and fumes.

EYE PROTECTION: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

WORK AND/OR HYGIENIC PRACTICES: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

1. Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stores.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with this material.

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