

**PEPSICO**

# Material Safety Data Sheet

Issue Date 02-Feb-2007

Supercede Date

## 1 Chemical Product and Company Identification

Chemical Name ACIDULANT 35005\*86\*01B

CAS #

Trade Secret

**Company Name**

Pepsi-Cola Company  
700 Anderson Hill Road  
Purchase, NY 10577  
Phone: (914) 253-2000  
Fax: (914) 249-8023

**Concentrate Manufacturing Facility**

PepsiCo Inc.  
1000 113th Street  
Arlington, Texas 76011  
Phone: (817) 640-4445  
Fax: (817) 649-0750

**Telephone Number - 24-Hour Emergency Assistance**  
(800) 451-8346 (General / Medical Emergencies)  
(800) 424-9300 (Chemtrec)

## 2 Composition / Information on Ingredients

**Hazardous Ingredients**

Component	CAS #	Percent
PHOSPHORIC ACID	7664-38-2	66.11 %

**Component Information**

Proprietary mixture for beverage preparation. The hazards of these ingredients are included on this MSDS.

## 3 Hazards Identification

**Emergency Overview**

Contact with this material will cause burns to the skin, eyes and mucous membranes.

**Potential Health Effects**

**Skin:** This product is severely irritating to the skin and may cause burns.  
**Eyes:** This product is severely irritating to the eyes and may cause eye burns.  
**Inhalation:** This product is irritating to the respiratory system.  
**Ingestion:** Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

## 4 First Aid Measures

**First Aid**

**Skin:** Wash off with soap and water. If skin irritation persists, call a physician.  
**Eyes:** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Get medical attention if irritation develops or persists.  
**Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. Call a physician if symptoms develop or persist.  
**Ingestion:** If the material is swallowed, get immediate medical attention or advice -- Give several glasses of water or milk. DO NOT induce vomiting unless directed to do so by medical personnel.

## 5 Fire Fighting Measures

### Flash Point

This material does not flash up to 212F/100C.

### Hazardous Combustion Products

Carbon dioxide, carbon monoxide, and irritating smoke.

### Extinguishing Media

Dry chemical, carbon dioxide, alcohol foam, and water spray.

### Fire and Explosion Hazards

None Known

### Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

## 6 Accidental Release Measures

### Emergency Action and Containment

Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Block any potential routes to water systems. Do not allow product to enter sewer or waterways. Dike the spilled material, where this is possible. Avoid inhalation of vapors or mists. Avoid contact with skin and eyes.

### Spill and Clean-Up Procedures

Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container.

## 7 Handling and Storage

### Handling Procedures

Avoid breathing vapors or mists of this product. Avoid contact with skin and eyes.

### Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place. Store away from strong oxidizers.

## 8 Exposure Controls / Personal Protection

### Engineering Controls

Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

### Personal Protective Equipment

#### Eyes/Face:

Wear safety glasses with side shields.

#### Skin:

Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves. Use impervious gloves.

#### Respiratory:

If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

#### General:

Eyewash fountains and emergency showers are required.

## 9 Physical & Chemical Properties

### Appearance:

Clear, Colorless Liquid

### Odor:

Odorless

### Specific Gravity:

1.5136

## 10 Chemical Stability & Reactivity Information

### Chemical Stability

Stable under normal conditions.

### Incompatibility

This product may react with caustics, sulfides and sulfites.

### Hazardous Decomposition

Upon decomposition, product may yield oxides of phosphorous.

### Hazardous Polymerization

Will not occur.

### Conditions to Avoid

Heat. Contact with most metals produces highly flammable hydrogen gas.

## 11 Toxicological Information

### Carcinogenicity

Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

## 12 Ecological Information

### Ecotoxicity

No data available for this product.

### Environmental Fate

No data available for this product.

## 13 Disposal Considerations

### Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

## 14 Transportation Information

### US Department of Transportation (DOT) Requirements

Shipping Name:	PHOSPHORIC ACID, LIQUID, SOLUTION		
DOT Primary Hazard Class:	8		
Packing Group:	III	UN Code:	UN1805

### Air Transportation (IATA) Requirements

Shipping Name:	PHOSPHORIC ACID, LIQUID, SOLUTION		
Hazard Class:	8		
Packing Group:	III	UN Code:	UN1805

## 15 Regulatory Information

### US Federal Regulations

No additional information.

### International Regulations

No additional information.

## 16 Other Information

### Disclaimer

The Pepsi-Cola Company cannot anticipate all conditions under which this information and its product, or products other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

**Issue Date** 02-Feb-2007

**Revision** 1

### MSDS Sections Updated

Composition / Information on Ingredients: List of Ingredients

Physical & Chemical Properties: Physical & Chemical Properties