

1. Product and Company Identification

Material name PEPSI FLAVOR 35005*85
Version # 02
Revision date 10-24-2011
Product code 35005*85
Manufacturer
 PepsiCo Inc.
 700 Anderson Hill Road
 Purchase, New York 10577 USA
 Phone: +1 914 253 2000, E-Mail: SafetyDataSheets@Pepsico.com
 Emergency (24 Hour) Phone Numbers:
 AMERICAS +1-760-602-8712 - access code 333017
 APAC +1-760-476-3960 - access code 333017
 EMEA +1-760-476-3961 - access code 333017

2. Hazards Identification

Emergency overview DANGER
 Irritating to respiratory system. Prolonged exposure may cause chronic effects.
OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects
Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.
Eyes This product causes eye burns. Risk of serious damage to eyes. Do not get this material in contact with eyes.
Skin Causes skin burns. Do not get this material in contact with skin.
Inhalation Causes burns. Irritating to respiratory system. Prolonged inhalation may be harmful. Do not breathe dust/fume/gas/mist/vapors/spray.
Ingestion Components of the product may be absorbed into the body by ingestion. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract. Do not ingest.
Target organs Eyes. Respiratory system. Skin.
Potential environmental effects Components of this product are hazardous to aquatic life. May cause long-term adverse effects in the environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
PHOSPHORIC ACID	7664-38-2	2.5 - 10
Other components below reportable levels		90 - 100

4. First Aid Measures

First aid procedures
Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Skin contact Remove and isolate contaminated clothing and shoes. Immediately flush skin with plenty of water. Get medical attention immediately. For minor skin contact, avoid spreading material on unaffected skin.
Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Have victim rinse mouth thoroughly with water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If material is ingested, immediately contact a poison control center. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Notes to physician

In case of shortness of breath, give oxygen. Keep victim warm.

General advice

Immediate medical attention is required. In case of shortness of breath, give oxygen. Keep victim warm. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures**Flammable properties**

Not flammable by OSHA criteria. Not combustible by OSHA criteria.

Extinguishing media**Suitable extinguishing media**

Water fog.

Unsuitable extinguishing media

Water. Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters**Protective equipment and precautions for firefighters**

Wear suitable protective equipment.

Fire fighting equipment/instructions

Move containers from fire area if you can do it without risk. Move containers from fire area if you can do so without risk.

Hazardous combustion products

May include oxides of phosphorus.

6. Accidental Release Measures**Personal precautions**

Keep unnecessary personnel away. Ventilate closed spaces before entering. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep upwind. Ventilate closed spaces before entering them. Stay upwind.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up

Should not be released into the environment.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Dike far ahead of liquid spill for later disposal. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean contaminated surface thoroughly. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

7. Handling and Storage**Handling**

DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition. Do not breathe dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Avoid prolonged exposure. Wash thoroughly after handling. Avoid release to the environment.

Storage

Keep away from heat, sparks, and flame. Keep away from heat, sparks and open flame. Keep in a well-ventilated place. Store in a well-ventilated place. Keep container tightly closed. Keep this material away from food, drink and animal feed. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children. Use care in handling/storage.

8. Exposure Controls / Personal Protection**Occupational exposure limits****US. ACGIH Threshold Limit Values**

Components	Type	Value
PHOSPHORIC ACID (7664-38-2)	STEL	3.0000 mg/m3
	TWA	1.0000 mg/m3

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
PHOSPHORIC ACID (7664-38-2)	PEL	1.0000 mg/m3

Engineering controls

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment**Eye / face protection**

Do not get this material in contact with eyes. Do not get in eyes. Chemical goggles are recommended. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin protection

Do not get this material in contact with skin. Do not get this material on clothing. Wear appropriate chemical resistant gloves. Structural firefighters protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations. Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent). Chemical resistant gloves.

Respiratory protection

Do not breathe dust/fume/gas/mist/vapors/spray. Wear positive pressure self-contained breathing apparatus (SCBA).

General hygiene considerations

Do not get this material in contact with eyes. When using, do not eat, drink or smoke. Do not get in eyes. Do not get this material in contact with skin. Do not get this material on clothing. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	Not available.
Physical state	Liquid.
Form	Liquid
Color	Dark brown
Odor	Citrus spice
Odor threshold	Not available.
pH	Not available.
Vapor pressure	0.009 hPa estimated
Vapor density	Not available.
Boiling point	411.8 °F (211.471 °C) estimated
Melting point/Freezing point	Not available.
Solubility (water)	Not available.
Specific gravity	1.2018
Relative density	Not available.
Flash point	>= 212 °F (>= 100 °C)
Flammability limits in air, upper, % by volume	0.0643 % estimated
Flammability limits in air, lower, % by volume	0.0133 % estimated
Auto-ignition temperature	1603.4 °F (873.069 °C) estimated
VOC	0.569943 % estimated

Percent volatile	27.0673 % estimated
Other data	
Density	10.0027 LB/GL
Flammability class	Combustible IIIB estimated
Flash point class	Combustible IIIB

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Heat, flames and sparks. Avoid temperatures exceeding the flash point.
Incompatible materials	None known.
Hazardous decomposition products	May include oxides of phosphorus.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data

Product	Test Results
PEPSI FLAVOR 35005*85	Acute Dermal LD50 Rabbit: 57517 mg/kg estimated Acute Dermal LD50 Rat: 57319 mg/kg Acute Oral LD50 Dog: 3726 g/kg estimated Acute Oral LD50 Guinea pig: 3609 g/kg estimated Acute Oral LD50 Mouse: 4687 g/kg estimated Acute Oral LD50 Rabbit: 3530 g/kg estimated Acute Oral LD50 Rat: 26178 mg/kg Acute Oral LD50 Rat: 5884 g/kg estimated Acute Other LD50 Mouse: 3393 g/kg estimated Acute Other LD50 Mouse: 2016 mg/kg estimated Acute Other LD50 Rabbit: 15867 mg/kg estimated Acute Other LD50 Rat: 41072 mg/kg estimated Acute Other LD50 Rat: 2746 g/kg estimated
Components	Test Results
PHOSPHORIC ACID (7664-38-2)	Acute Dermal LD50 Rabbit: 2730 mg/kg Acute Oral LD50 Rat: 1530 mg/kg
Acute effects	Acute LD50: 26178 mg/kg, Rat, Oral Acute LD50: 57319 mg/kg, Rat, Dermal
Local effects	Irritating to respiratory system.
Chronic effects	Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Skin corrosion/irritation	Hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicological data

Product	Test Results
PEPSI FLAVOR 35005*85	LC50 Fish: 69.3852 mg/L 96.00 Hours
Components	Test Results
PHOSPHORIC ACID (7664-38-2)	LC50 Fish: 3.25 mg/L 96.00 Hours

* Estimates for product may be based on additional component data not shown.

Ecotoxicity	LC50: 69.39 mg/L, Fish, 96.00 Hours Components of this product are hazardous to aquatic life.
Environmental effects	Harmful to aquatic life. Harmful to aquatic organisms.

Persistence and
degradability

Not available.

13. Disposal Considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT

Basic shipping requirements:

UN number	UN1805
Proper shipping name	Phosphoric acid solution
Hazard class	8
Packing group	III

Additional information:

Special provisions	A7, IB3, N34, T4, TP1
Packaging exceptions	154
Packaging non bulk	203
Packaging bulk	241
ERG number	154



DOT

15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated

DEA Essential Chemical Code Number

Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated

DEA Exempt Chemical Mixtures Code Number

Not regulated

CERCLA (Superfund) reportable quantity

PHOSPHORIC ACID: 5000.0000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical

No

State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

Recommended use

Intended for use in beverage preparation

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 3*
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 3
Flammability: 1
Instability: 0

Disclaimer

PepsiCo Inc. cannot anticipate all conditions under which this information and its product, or the products of 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

10-24-2011

This data sheet contains changes from the previous version in section(s):

This document has undergone significant changes and should be reviewed in its entirety