

SAFETY DATA SHEET FOR CHEMICAL PRODUCTS

1. Chemical product and company identification

Product name CHERRY FLAVOR 92611*05
Product code 92611*05
 PepsiCo Inc.
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 Purchase, New York 10577 USA
 Phone: +1 914 253 2000, E-Mail: SafetyDataSheets@Pepsico.com
 Emergency (24 Hour) Phone Numbers:
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 APAC +1-760-476-3960 - access code 333017
 EMEA +1-760-476-3961 - access code 333017

Recommended use and Limitations on use

Recommended use Intended for use in beverage preparation

2. Hazards identification

GHS-Classification

Physical hazards	Flammable liquids	Category 4
Health hazards	Acute toxicity (Oral)	Category 4 (0.19% of the mixture consists of ingredient(s) of unknown toxicity.)
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Skin sensitizer	Category 1
Environmental hazards	Acute aquatic toxicity	Category 3 (91.27% of the mixture consists of ingredient(s) of unknown hazards to the aquatic environment.)

GHS-Labeling

Symbols



Signal word

Warning

Hazard statement

Combustible liquid. Harmful if swallowed. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life.

Precautionary statement

Prevention

Keep away from flames and hot surfaces-No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

Response

In case of fire: Use for extinction. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.

Storage

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents/container to Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Substance/mixture Mixture

Chemical property	CAS Number	Concentration (%)
1,2-PROPYLENE GLYCOL	57-55-6	90 - 100
Benzaldehyde	100-52-7	5 - < 10
Other components below reportable levels		< 0.2

4. First aid measures

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothing. Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation occurs: Get medical advice/attention.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Expected acute symptoms and delayed symptoms

Not available.

Personal protection for first-aid responders

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

Notes to physician

In case of shortness of breath, give oxygen. Keep victim warm. Symptoms may be delayed.

5. Fire-fighting measures

Extinguishing media

Water fog. Foam. Carbon dioxide (CO₂). Alcohol resistant foam. Powder.

Extinguishing media to avoid

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

Specific hazards

By heating and fire, harmful vapours/gases may be formed.

Special fire fighting procedures

In the event of fire and/or explosion do not breathe fumes.

Protection of fire-fighters

Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage.

6. Accidental release measures

Personal precautions

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk through spilled material. Keep people away from and upwind of spill/leak. Ensure adequate ventilation.

Environmental precautions

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

Clean-up methods and materials and containment measures

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material.

Large Spills: Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb spillage with non-combustible, absorbent material. Following product recovery, flush area with water. Prevent product from entering drains.

Small Spills: Clean surface thoroughly to remove residual contamination.

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

Prevention of secondary hazards

Not available.

7. Handling and storage

Handling

Technical measures

No specific recommendations.

Local and general ventilation

Provide adequate ventilation.

Precautions

Keep away from open flames, hot surfaces and sources of ignition. Do not taste or swallow. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains.

Safe handling advice

Avoid contact with skin. Avoid contact with eyes. Use personal protection recommended in Section 8 of the MSDS.

Storage

Technical measures

No specific recommendations.

Suitable storage conditions

Keep away from heat, sparks and open flame. Store in cool place. Store in a well-ventilated place. Keep container tightly closed. Keep in an area equipped with sprinklers. Keep out of the reach of children.

Incompatible materials

None known.

Safe packaging materials

Keep in original container.

8. Exposure controls/personal protection

Exposure limits

Not available

Engineering measures Provide adequate general and local exhaust ventilation.

Personal protective equipment

Respiratory protection No personal respiratory protective equipment normally required.

Hand protection Wear protective gloves.

Eye protection Wear eye/face protection.

Skin and body protection Wear suitable protective clothing.

Hygiene measures When using, do not eat, drink or smoke. Avoid contact with eyes. Avoid contact with skin. Wash hands after handling and before eating. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practices.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Aqueous Liquid

Colour Colourless

Odour Cherry

pH Not available.

Melting point/freezing point -56.1136 °C (-68.8 °F) estimated

Boiling point, initial boiling point, and boiling range 187.395 °C (368.6 °F) estimated

Flash point 83.9 °C (183 °F)

Auto-ignition temperature 355.416 °C (671 °F) estimated

Flammability limit - lower (%) 2.3681 % estimated

Flammability limit - upper (%) 11.4761 % estimated

Explosive limit Not available.

Vapour pressure 0.1717 hPa estimated

Vapour density Not available.

Relative density Not available.

Density 8.67432 LB/GL

Solubility Not available.

Partition coefficient (n-octanol/water) Not available.

Decomposition temperature Not available.

VOC (Weight %) 99.81 % estimated

Percent volatile 99.81 % estimated

Other data

Flammability class Combustible IIIA estimated

Specific gravity 1.0408

10. Stability and reactivity

Stability Risk of ignition.

Possibility of hazardous reactions Not available.

Conditions to avoid Heat, flames and sparks. Avoid temperatures exceeding the flash point.

Incompatible materials None.

Hazardous decomposition products Toxic gas. Irritants.

11. Toxicological information

Acute toxicity Harmful if swallowed.

Components	Test results
Benzaldehyde (100-52-7)	Acute Dermal LD50 Guinea pig: > 2000 mg/kg Acute Dermal LD50 Rabbit: 1250 mg/kg Acute Dermal LD50 Rabbit: > 1250 mg/kg Acute Oral LD50 Guinea pig: 1000 mg/kg Acute Oral LD50 Rat: 800 mg/kg Acute Other LD50 Mouse: 1020 mg/kg Acute Other LD50 Rabbit: 5000 mg/kg
1,2-PROPYLENE GLYCOL (57-55-6)	Acute Dermal LD50 Rabbit: 20800 mg/kg Acute Oral LD50 Dog: 19 g/kg Acute Oral LD50 Guinea pig: 18.4 g/kg Acute Oral LD50 Mouse: 23.9 g/kg Acute Oral LD50 Rabbit: 18 g/kg Acute Oral LD50 Rat: 20000 mg/kg Acute Oral LD50 Rat: 30 g/kg Acute Other LD50 Mouse: 6630 mg/kg Acute Other LD50 Mouse: 17.3 g/kg Acute Other LD50 Rat: 6423 mg/kg Acute Other LD50 Rat: 14 g/kg

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

Routes of exposure	Ingestion. Skin contact. Eye contact.
Symptoms	Irritant effects.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory sensitizer	Knowledge about sensitization hazard is incomplete.
Skin sensitizer	May cause an allergic skin reaction.
Germ cell mutagenicity	Knowledge about mutagenicity is incomplete.
Carcinogenicity	Knowledge about carcinogenicity is incomplete.
Toxic to reproduction	Knowledge about health hazard is incomplete.
Specific target organ toxicity following single exposure	Knowledge about health hazard is incomplete.
Specific target organ toxicity following repeated exposure	Knowledge about health hazard is incomplete.
Aspiration toxicity	Knowledge about health hazard is incomplete.
Chronic effects	Not available.

12. Ecological information

Ecotoxicological data

Components	Test results
Benzaldehyde (100-52-7)	LC50 Bluegill (<i>Lepomis macrochirus</i>): 0.8 - 1.44 mg/l 96.00 hours LC50 Fish: 11 mg/l 96.00 Hours
1,2-PROPYLENE GLYCOL (57-55-6)	EC50 Water flea (<i>Daphnia magna</i>): > 10000 mg/l 48.00 hours LC50 Fathead minnow (<i>Pimephales promelas</i>): 710 mg/l 96.00 hours LC50 Fish: 51600 mg/l 96.00 Hours

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

Ecotoxicity	Harmful to aquatic life.
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Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulation	Not available.
Mobility in soil	Not available.
Other hazardous effects	Not available.

13. Disposal considerations

Residual waste	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Local disposal regulations	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

CNDG

UN number	UN1990
Proper shipping name	BENZALDEHYDE, SOLUTION
Hazard class	9
Packing group	III
Special precautions	Not available.

IATA

UN number	UN1990
Proper shipping name	Benzaldehyde solution
Hazard class	9
Packing group	III

IMDG

UN number	UN1990
Proper shipping name	BENZALDEHYDE SOLUTION
Hazard class	9
Packing group	III
EmS No.	F-A, S-A



CNDG



IATA



IMDG

15. Regulatory information

Applicable regulations	This safety data sheet was prepared in accordance with GB/T 16483-2008: Safety Data Sheet for Chemical Products - Content and Order of Sections.
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16. Other information

References	Not available.
Prepared by	Isabell H. Lynch
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	23-February-2011
Revision date	23-February-2011
Print date	23-February-2011