

1. Identification of the chemical and information about the manufacturer or supplier

1.1 Identification of the chemical products

1.1.1 Technical name None.

Other means of identification

Product code 14106*21 / v2

1.1.2 Recommended use of the chemical and restrictions on use

Recommended use Not available.

Limitations on use None known.

1.2 Manufacturer/Importer/Supplier/Distributor information

1.2.1 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. Hazard(s) identification

2.1. Hazard identification of chemical product as a whole (classification according to GOST 12.1.007-76 and GHS)

Classification according GOST 12.1.007-76 None, the product is a mixture.

GHS classification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 3
Sensitization, skin Classified

Environmental hazards Not classified.

2.2 Labeling elements in compliance with GOST 31340-2013

2.2.1 Signal word Warning



2.2.3 Hazard statement

H316 Causes mild skin irritation.
H317 May cause an allergic skin reaction.

Precautionary statement

Prevention

P261 Avoid breathing mist or vapour.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.
P321 Specific treatment (see this label).
P332 + P311 If skin irritation occurs, obtain medical attention.
P333 + P311 If skin irritation or redness occur: Get medical attention.
P363 Wash contaminated clothing before reuse.

Storage

Store away from incompatible materials.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

| | |
|---------------------------------|-------------|
| Other hazards | None known. |
| Supplemental information | None. |

3. Composition/information on ingredients

3.1 Information on product as a whole

| | |
|--|--|
| 3.1.1 Chemical name (IUPAC) | None. |
| 3.1.2 Chemical formula | H ₂ O (7732-18-5), C ₆ -H ₈ -O ₇ (77-92-9), Unknown (8028-89-5), UVCB (8008-57-9), C ₁₂ -H ₂₂ -O ₁₁ (57-50-1), C ₈ -H ₁₀ -N ₄ -O ₂ (58-08-2), Unknown (9000-40-2), C ₆ -H ₈ -O ₂ .K (590-00-1), C ₇ -H ₅ -Na-O ₂ (532-32-1) |
| 3.1.3 General description of the composition (taking into account the brand assortment; preparation method) | None, the product is a mixture. |

3.2 Components

| Components | Hygienic standards in the working area | | | CAS-No. | EC No. |
|--|--|------------------------|-------------------------|------------|-----------|
| | Concentration (%) | MAC, mg/m ³ | TSEL, mg/m ³ | | |
| JUICES, FRUITS OR VEGETABLES WITHOUT ADDITIVES | 55,85 | | | SRA0001 | - |
| WATER | 32,06 | | | 7732-18-5 | 231-791-2 |
| Citric acid | 9,37 | 1 | | 77-92-9 | 201-069-1 |
| Caramel | 1,25 | | | 8028-89-5 | 232-435-9 |
| ORANGE OIL | 0,66 | | | 8008-57-9 | - |
| Sucrose | 0,3 | | | 57-50-1 | 200-334-9 |
| CAFFEINE | 0,24 | 0.5 | | 58-08-2 | 200-362-1 |
| LOCUST BEAN GUM | 0,1 | | | 9000-40-2 | 232-541-5 |
| SORBIC ACID, POTASSIUM SALT | 0,07 | | | 590-00-1 | - |
| OILS, MANDARIN | 0,04 | | | 8008-31-9 | - |
| OILS, ORANGE, SWEET, TERPENE-FREE | 0,04 | | | 68606-94-0 | - |
| SODIUM BENZOATE | 0,02 | 5 | | 532-32-1 | 208-534-8 |

4. First-aid measures

4.1. Observed symptoms

| | |
|---|---|
| 4.1.1 In case of exposure via inhalation | No adverse effects due to inhalation are expected. |
| 4.1.2 In contact with skin | Causes mild skin irritation. May cause an allergic skin reaction. |
| 4.1.3 In contact with eyes | Direct contact with eyes may cause temporary irritation. |
| 4.1.4 In case of exposure via ingestion | Expected to be a low ingestion hazard. |

4.2 First-aid measures to be provided to victims

| | |
|---|--|
| 4.2.1 In case of exposure via inhalation | Move to fresh air. Call a physician if symptoms develop or persist. |
| 4.2.2 In contact with skin | Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. |
| 4.2.3 In contact with eyes | Rinse with water. Get medical attention if irritation develops and persists. |
| 4.2.4 In case of exposure via ingestion | Rinse mouth. Get medical attention if symptoms occur. |
| 4.2.5 Contraindications | Not available. |

| | |
|-----------------------|---|
| General advice | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. |
|-----------------------|---|

5. Fire-fighting and explosion safety measures and means

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|--|---|
| 5.1 General characteristics of fire-explosion properties | No unusual fire or explosion hazards noted. |
| 5.2 Fire-explosion indicators | Not available. |
| 5.3 Combustion and/or thermal destruction products and hazards arising from these | During fire, gases hazardous to health may be formed. |
| 5.4 Recommended extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). |
| 5.5 Forbidden extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| 5.6 Special protective equipment for firefighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| 5.7 Specific extinguishing methods | Use standard firefighting procedures and consider the hazards of other involved materials. |
| Special fire fighting procedures | Move containers from fire area if you can do so without risk. |

6. Accident and emergency prevention and response measures and their consequences

6.1 Measures to prevent harmful effects on people, environment, buildings, constructions, etc. in case of accidents and emergencies

| | |
|---|---|
| 6.1.1 General required actions in case of an accident or emergency | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8. |
| 6.1.2 Personal protection equipment in case of the accident | Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS. |

6.2 Procedures for the elimination of accidents and emergencies

| | |
|--|----------------|
| 6.2.1 Procedures in case of leaks, spills, splashes | Not available. |
| 6.2.2 Actions in case of fire | Not available. |

| | |
|--|---|
| Methods and materials for containment and cleaning up | <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p> |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. |

7. Storage and handling requirements of chemicals during loading and unloading

7.1 Safety precautions when handling chemical products

| | |
|--|---|
| 7.1.1 Technical safety measures | No specific recommendations. |
| 7.1.2 Environmental protection measures | Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. |
| 7.1.3 Recommended safe handling and transportation advice | Observe good industrial hygiene practices. Use personal protection recommended in Section 8 of the SDS. |
| Local and general ventilation | Provide adequate ventilation. |

7.2 Chemical storage requirements

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|--|--|
| 7.2.1 Terms and conditions for safe storage | Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS). |
| 7.2.2 Packaging | Store in original tightly closed container. |

7.3 Safety measures and storage requirements at domestic use

The product is not intended for domestic use.

8. Equipment for monitoring exposure and personal protective equipment

8.1 Parameters of the working area that require monitoring

No exposure limits noted for ingredient(s).

Occupational exposure limits

Hygiene Norm GN 2.2.5.2439-09. Maximum allowable concentration (MAC) of harmful substances in the air of working zones. Executive No. 76 of 30 april 2006. Including Appendixes No.1, 2, 3 and 4.

| Components | Type | Value | Form |
|--------------------------------|---------|-----------------------|---------|
| CAFFEINE (CAS 58-08-2) | Ceiling | 0,5 mg/m ³ | Aerosol |
| Citric acid (CAS 77-92-9) | Ceiling | 1 mg/m ³ | Aerosol |
| SODIUM BENZOATE (CAS 532-32-1) | Ceiling | 5 mg/m ³ | Aerosol |

8.2 Measures to ensure the content of harmful substances in the working area below the exposure level concentration

Not available.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

8.3 Worker personal protective equipment

8.3.1 General recommendations

Use personal protective equipment as required.

8.3.2 Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

8.3.3 Protective equipment

Eye/face protection

Face shield is recommended. Wear safety glasses with side shields (or goggles).

Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

8.3.4 Personal protection equipment in case of domestic use

Not applicable.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

9.1 Physical appearance

Physical state

Liquid.

Form

Opaque Liquid

Colour

Brown

Odour

Cola

Odour threshold

Not available.

9.2 Parameters characterizing basic properties of the product

pH

2,3000

Melting point/freezing point

153,0000 °C (307,4000 °F) estimated

Initial boiling point and boiling range

Not available.

Flash point

> 100,0000 °C (> 212,0000 °F)

Auto-ignition temperature

1010,0000 °C (1850,0000 °F) estimated

Decomposition temperature

Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

Not available.

| | |
|--|-----------------------|
| Flammability limit - upper (%) | Not available. |
| Vapour pressure | 0,00001 hPa estimated |
| Density | 9,9610 LB/GL |
| Viscosity | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Other data | |
| Explosive properties | Not explosive. |
| Flammability (solid, gas) | Not applicable. |
| Oxidising properties | Not oxidising. |
| Percent volatile | 32,0600 % estimated |
| Specific gravity | 1,1970 |
| VOC | 0,0100 % estimated |

10. Stability and reactivity

| | |
|---|---|
| 10.1 Chemical stability | Material is stable under normal conditions. |
| Hazardous decomposition products | No hazardous decomposition products are known. |
| 10.2 Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| 10.3 Conditions to avoid | Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Incompatible materials | Strong oxidising agents. |

11. Toxicological information

| | |
|---|--|
| 11.1 General exposure characteristics | Mild skin irritation. May cause an allergic skin reaction. Dermatitis. Rash. |
| 11.2 Routes of exposure | Inhalation. Skin contact. Eye contact. |
| 11.3 Affected/target organs, tissues and systems of humans | |
| Specific target organ toxicity - single exposure | Not classified. |
| Specific target organ toxicity - repeated exposure | Not classified. |
| 11.4 Information on health hazards in case of direct exposure to the product and its effect | |
| Effect on upper respiratory tract irritation | Not applicable. |
| Respiratory or skin sensitisation | |
| Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended. | |
| Not listed. | |
| Respiratory sensitisation | Not a respiratory sensitizer. |
| Skin sensitisation | May cause an allergic skin reaction. |
| Skin corrosion/irritation | Causes mild skin irritation. |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. |
| Aspiration hazard | Not an aspiration hazard. |
| 11.5 Information on long-term hazardous health effects | |
| Carcinogenicity | |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| CAFFEINE (CAS 58-08-2) | 3 Not classifiable as to carcinogenicity to humans. |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |

Cumulativeness Not available.

Chronic effects Not available.

11.6 Acute toxicity data May cause an allergic skin reaction.

| Product | Species | Test results |
|--|---------|-----------------------|
| SCHWIP SCHWAP FLAVOR 14106*21 | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Hamster | 95833 mg/kg estimated |
| | Mouse | 26675 mg/kg estimated |
| | Rabbit | 92386 mg/kg estimated |
| | Rat | 23373 mg/kg estimated |
| Components | Species | Test results |
| CAFFEINE (CAS 58-08-2) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | 355 mg/kg |
| | | 344 mg/kg |
| Citric acid (CAS 77-92-9) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Mouse | 5040 mg/kg |
| | Rat | 3000 mg/kg |
| LOCUST BEAN GUM (CAS 9000-40-2) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Hamster | 10 g/kg |
| | Mouse | 13 g/kg |
| | Rabbit | 9100 mg/kg |
| | Rat | 13000 mg/kg |
| | | 13 g/kg |
| OILS, MANDARIN (CAS 8008-31-9) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | 5000,1 mg/kg |
| Oral | | |
| LD50 | Rat | 5000,1 mg/kg |
| ORANGE OIL (CAS 8008-57-9) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | 5000,1 mg/kg |
| Oral | | |
| LD50 | Rat | 5000,1 mg/kg |
| SODIUM BENZOATE (CAS 532-32-1) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | 2100 mg/kg |
| SORBIC ACID, POTASSIUM SALT (CAS 590-00-1) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | 4340 mg/kg |

| Components | Species | Test results |
|-----------------------|---------|--------------|
| Sucrose (CAS 57-50-1) | | |
| Acute | | |
| Oral | | |
| LD50 | Rat | 29700 mg/kg |

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

12. Environmental impact information

12.1 General description of the impact on the environment The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Routes of exposure to environment Adverse effects may be caused by large spill in the environment as a result of accidents during transportation, storage, use, handling, depressurization of the container or/and the uncontrolled waste disposal.

12.3 The most important characteristics of the environmental impact

12.3.1 Hygienic standards Not available.

12.3.2 Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Product | Species | Test results |
|---------|---------|--------------|
|---------|---------|--------------|

SCHWIP SCHWAP FLAVOR 14106*21

Aquatic

| | | | |
|------|------|------|-------------------------------------|
| Fish | LC50 | Fish | 12771,5488 mg/l, 96 Hours estimated |
|------|------|------|-------------------------------------|

| Components | Species | Test results |
|------------|---------|--------------|
|------------|---------|--------------|

CAFFEINE (CAS 58-08-2)

Aquatic

| | | | |
|------|------|------|--------------------|
| Fish | LC50 | Fish | 151 mg/l, 96 Hours |
|------|------|------|--------------------|

Citric acid (CAS 77-92-9)

Aquatic

| | | | |
|------|------|------|---------------------|
| Fish | LC50 | Fish | 1516 mg/l, 96 Hours |
|------|------|------|---------------------|

SODIUM BENZOATE (CAS 532-32-1)

Aquatic

| | | | |
|------|------|--------------------------------------|----------------------|
| Fish | LC50 | Fathead minnow (Pimephales promelas) | > 100 mg/l, 96 hours |
| | | Fish | 484 mg/l, 96 Hours |

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

12.3.3 Biomigration and transformation of the environment due to the biodegradation or other processes

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

| | |
|----------|-------|
| CAFFEINE | -0,07 |
| Sucrose | -3,7 |

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Recommendations for waste (residues) disposal

13.1 Safety precautions when handling the waste generated during use, storage, transportation Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

13.2 Information on the location and disposal methods, recycling or disposal of product waste, including packaging Dispose in accordance with all applicable regulations.

13.3 Recommendation on the waste disposal generated during its domestic use

Waste from residues / unused products

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

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).

14. Transport information

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

15. National and international regulatory information

15.1 National legislation

15.1.1 Laws of the Russian Federation Not available.

15.1.2 Information about the documentation, regulatory requirements for the protection of human health and environment None.

Sanitary-Epidemiological Rules, 1.2.2353-08, Chemical substances, mixtures and products which are carcinogenic factors, 21 April 2008

Not listed.

Hygiene Norm GN 2.2.5.1313-03. Executive No. 76 of 30 April 2003. Maximum allowable concentration (MAC) of harmful substances in the air of working zones, as amended.

CAFFEINE (CAS 58-08-2)
Citric acid (CAS 77-92-9)
SODIUM BENZOATE (CAS 532-32-1)

Hazard Classification: Very hazardous.
Midrange hazardous.
Midrange hazardous.

15.2 International Conventions and Agreements

Stockholm Convention

Not applicable.

Rotterdam Convention

Not applicable.

Montreal Protocol

Not applicable.

Kyoto protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information

16.1 Information on revision of the SDS

Issue date 20-July-2017
Version No. 01
Previous SDS number Not applicable.

**16.2 List of references used
in compiling the safety data
sheet**

GOST 30333-2007 Chemical production safety passport. General requirements.
GOST 31340-2013 Labeling of chemicals. General requirements.
GOST 32419-2013 Classification of chemical products. General requirements.
GOST 32424-2013 Classification of chemicals for environmental hazards. General principles.
GOST 12.1.007-76 Occupational safety standard system. Noxious substances. Classification and general safety requirements.
GOST 12.1.044-89. Occupational safety standards system. Fire and explosion hazard of substances and materials. Nomenclature of substances and materials. Nomenclature of indices and methods of their determination.
GOST 19433-88. Dangerous goods. Classification and marking.
GOST 12.1.004-91. Occupational safety standards system. Fire safety. General requirements.
GOST 32425-2013 Mixtures classification of hazard for environmental.
GOST 32423-2013 Mixtures classification of hazard for health.

List of abbreviations

Not available.

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.

Prepared by

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