



DIY FLAVOURS INC

Safety Data Sheet Real Flavours Blackberry

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Real Flavours Blackberry
Product number	REAL-BLACKBERRYEXT
Brand	Real Flavours

1.2 Other means of identification

Blackberry Extract; Blackberry Super Concentrate; extract; flavouring

1.3 Recommended use of the chemical and restrictions on use

Recommended for use in flavouring food and beverages

1.4 Supplier's details

Name	DIY Flavours Inc
Address	30722 Marshall Rd Exten Unit 132 Abbotsford BC V2T 0H9 CANADA
Telephone	1-800-240-8953
Fax	N/A
email	support@diy-ejuice.com; support@diyflavours.ca

1.5 Emergency phone number

1-800-240-8953 (US/CANADA)

SECTION 2: Hazard identification

General hazard statement

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR

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1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

2.1 Classification of the substance or mixture

GHS classification in accordance with: WHMIS 2015

- Serious eye damage/eye irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning

Hazard statement(s)

H315	Causes skin irritation
H319	Causes serious eye irritation
H402	Harmful to aquatic life
H317	May cause an allergic skin reaction

Precautionary statement(s)

P264	Wash contacted skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P273	Avoid release to the environment.

2.3 Other hazards which do not result in classification Not applicable

Statement regarding ingredients of unknown toxicity None known

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

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1. Propylene glycol

Concentration	88 - 92 % (weight)
EC no.	200-338-0
CAS no.	57-55-6
H315	Causes skin irritation
H319	Causes serious eye irritation

2. Flavouring components

Concentration	8 - 12 % (weight), Trade secret*
CAS no.	*

Trade secret statement (OSHA 1910.1200(i))

*Specific chemical identity and/or actual percentage of concentration has been withheld as a trade secret

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. In case of skin contact Wash off with soap and plenty of water. Get medical attention if symptoms occur. In case of eye contact Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice. Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.
Personal protective equipment for first-aid responders	Overalls. P.V.C. apron. Barrier cream. Skin cleansing cream. Eye wash unit.

4.2 Most important symptoms/effects, acute and delayed

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The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

- 4.3 Indication of immediate medical attention and special treatment needed, if necessary** Treat symptomatically; Provide general supportive measures

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. Slight fire hazard when exposed to heat or flame. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO).

May emit poisonous fumes.

May emit corrosive fumes.

May emit acrid smoke.

Combustion products include: carbon dioxide (CO₂), other pyrolysis products typical of burning organic material.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials.

Combustible liquid.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.3 Methods and materials for containment and cleaning up

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. For precautions see section 2.2.

Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

7.2 Conditions for safe storage, including any incompatibilities

Containers may be metal cans, drums or BPA-free PET bottles. Check containers often for physical damage or leaks. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep away from heat, open flame and ignition sources.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Propylene glycol (CAS: 57-55-6 EC: 200-338-0)

TWA (Inhalation): 10 mg/m³; USA (OSHA)

USA. Workplace Environmental Exposure Levels (WEEL)

8.2 Appropriate engineering controls

Not normally required. Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits. General industrial hygiene practice.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Eye/Face Protection: None required with normal household use. Industrial Setting: For splash protection, use chemical goggles. Eye wash fountain is recommended.

Skin protection

Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.

Respiratory protection

No special precautions for casual exposure. Ventilation Local Exhaust: None required with normal consumer use.

Special: None. Industrial (General): Normal/general dilution ventilation is acceptable. Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

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Thermal hazards

No data available

Control banding approach

Not applicable

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Physical state	Liquid
Appearance	Clear yellow to gold
Color	Clear yellow to gold
Odor	Not available
Odor threshold	Not available
Melting point/freezing point	Not available
Boiling point or initial boiling point and boiling range	Not available
Flammability	Not applicable
Lower and upper explosion limit/flammability limit	Not available
Flash point	Not available
Explosive properties	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Oxidizing properties	Not available
pH	Not available
Kinematic viscosity	Not available
Solubility	Miscible
Partition coefficient n-octanol/water (log value)	Not available
Vapor pressure	Not available
Evaporation rate	Not available
Density and/or relative density	1.03
Relative vapor density	Not available

Particle characteristics

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

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10.3 Possibility of hazardous reactions None
under normal use conditions.

10.4 Conditions to avoid
Avoid storing in direct sunlight and avoid extremes of temperature.

10.5 Incompatible materials
Propylene glycol: Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents

10.6 Hazardous decomposition products
Propylene glycol: Other decomposition products - No data available In
the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

The acute oral toxicity of propylene glycol is very low; large amounts are needed to cause perceptible health damage in humans. Serious toxicity generally occurs only at blood concentrations over 1 g/L, which requires extremely high intake over a relatively short period of time; this is nearly impossible with consuming foods or supplements which contain 1g/kg of PG at most. Poisonings are usually due to injection through a vein or accidental swallowing of large amounts by children. The potential for long-term oral toxicity is also low. Prolonged contact with propylene glycol is essentially non-irritating to the skin. Undiluted propylene glycol is minimally irritating to the eye, and can produce a slight, temporary inflammation of the conjunctiva. Exposure to mists may cause irritation of both the eye and the upper airway.

Skin corrosion/irritation

Propylene glycol
LD50 Percutaneous - Rabbit - >2000 mg/kg

Serious eye damage/irritation

Propylene glycol
Eyes - Rabbit - 100 mg
Result: Mild

Propylene glycol
Eyes - Rabbit - 500 mg - 24 h
Result: Mild

Propylene glycol
Eyes - Rabbit
Result: No adverse effect observed (not irritating)

Propylene glycol
Eyes - Human - 104 mg - 3 d
Result: Intermit Mod

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Propylene glycol
Eyes - Human - 500 mg - 7 d
Result: Mild

Propylene glycol
Eyes - Human
Result: No adverse effect observed (not irritating)

Respiratory or skin sensitization Propylene glycol
LC50 Inhalation - Rat - >44.9mg/l - 4 h

Germ cell mutagenicity
No data available

Carcinogenicity
Not Classifiable

Reproductive toxicity
Based on available data, classification data are not met

STOT-single exposure
Based on available data, classification data are not met

STOT-repeated exposure
Based on available data, classification data are not met

Aspiration hazard
Based on available data, classification data are not met

SECTION 12: Ecological information

Toxicity
Propylene glycol
NOEC - Algae - <5300 mg/l - 336 h

Propylene glycol
EC50 - Algae - 19,300 mg/l - 72 h

Persistence and degradability
LOW

Bioaccumulative potential LOW

Mobility in soil HIGH

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

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No data available

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of contents/ container in accordance with the local/regional/national/international regulations. Products covered by this SDS, in their original form, when disposed as waste, are considered non hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, provincial and federal regulations.

Packaging disposal

Dispose of as unused product.

Waste treatment

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. Recycle where applicable.

Sewage disposal

Not recommended for sewage or water disposal

Other disposal recommendations None

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Australian Inventory of Chemical Substances (AICS)

Propylene glycol
CAS number: 57-55-6

Water
CAS-No. 7732-18-5

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Canadian Domestic Substances List (DSL)

Propylene glycol
CAS number: 57-55-6

Water
CAS-No. 7732-18-5

Canadian Non-Domestic Substances List (NDSL)

No (propylene glycol; Flavoring Ingredients)

Japanese Existing and New Chemical Substances (ENCS)

Propylene glycol
CAS number: 57-55-6

Water
CAS-No. 7732-18-5

Korean Existing Chemicals List (KECL)

Propylene glycol
CAS number: 57-55-6

Water
CAS-No. 7732-18-5

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

Propylene glycol
CAS number: 57-55-6

Water
CAS-No. 7732-18-5

Toxic Substances Control Act (TSCA) Inventory

Propylene glycol
CAS number: 57-55-6

Water
CAS-No. 7732-18-5

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

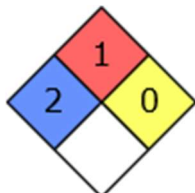
HMIS Rating

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Real Flavours Blackberry	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	B

NFPA Rating



SECTION 16: Other information

Issue Date: 02-04-21

16.1 Further information/disclaimer

DIY Flavours, Inc. and Real Flavours 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. The information in these sheets was written based on the best knowledge and experience currently available.

16.2 Preparation information

Prepared for DIY Flavours, Inc. and subsidiary - Real Flavours