

SAFETY DATA SHEET

1. IDENTIFICATION

Product Code:	A11677
Sample Number:	N/A
Product Name:	Natural & Artificial Caramel Butter Flavour Liquid
Synonyms:	None known
Identified uses:	Use in accordance with supplier's recommendations
Recommended restrictions:	For Manufacturing Use Only
Manufacturer:	Wonder Flavours Inc. 1700-2001 Robert-Bourassa Boulevard Montreal, QC, Canada, H3A 2A6
Telephone Number:	1 (514) 612-1264
24 Hour Emergency Telephone:	1 (514) 655-8273

2. HAZARD(S) IDENTIFICATION

Flammable:	NO
Physical hazards:	Not classified
Health hazards:	Not classified
Environmental hazards:	Not classified
Label elements:	
Hazard symbol:	None
Signal word:	None
Precautionary statement:	
Prevention:	Observe good industrial hygiene practices
Response:	Wash hands after handling
Storage:	Store away from incompatible materials
Disposal:	Dispose of waste and residues in accordance with local authority requirements
Other Hazard(s):	None known but asthmatic conditions may be aggravated by excessive breathing of dust

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<u>Chemical</u>	<u>%</u>	<u>CAS No.</u>
Acetoin	<2	513-86-0
Benzaldehyde	<0.1	100-52-7
Butyric acid (Butanoic Acid)	<0.1	107-92-6
2,3-Pentanedione	<1	600-14-6
Propylene Glycol	75-85	57-55-6

Other components - Proprietary Percentage of composition has been -
withheld as a trade secret

4. FIRST-AID MEASURES

Inhalation:	If breathing is difficult, remove the individual to fresh air and keep at rest in a position comfortable for breathing. Obtain medical advice if any symptoms develop or persist.
Skin contact:	Remove contaminated clothes. Wash affected area with soap and water for several minutes. If irritation develops and persists, obtain medical advice.
Eye contact:	Irrigate copiously with water for at least ten minutes. Obtain medical advice if irritation develops and persists.
Ingestion:	If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical advice.
Most important symptoms/effects, both acute and delayed	Dusts may irritate the respiratory tract, skin and eyes.
Indication of immediate medical attention and special treatment needed	Not available

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Foam, CO ₂ or Dry Chemical
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter and spread fire.
Specific hazards arising from the product:	Fire may produce irritating, corrosive and/or toxic gases.
Special protective equipment and precautions for fire-fighters:	Keep containers cool with fine water spray. Fire fighters to wear self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Firefighting equipment/instructions:	Move containers from fire area if you can do so without risk.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor.
Methods and materials for containment and cleaning up:	Sweep up and disposed of properly. Wash contaminated area with water. Avoid the generation of dusts during clean-up.
Environmental precautions:	Do not contaminate water. Avoid release to the environment.

7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust formation.
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Conditions for safe storage, including any incompatibilities:

Store in tightly closed container in a cool, dark and dry place. Store away from incompatible materials described in Section 10.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:	No exposure limits noted for ingredient(s).
Biological limit values:	No biological exposure limits noted for the ingredient(s).
Appropriate engineering controls:	Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area
Individual protection measures, such as personal protective equipment	Wear safety goggles, gloves, dust mask and impervious clothing
General hygiene considerations:	Always handle according to established industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Dark brown
Odour:	Characteristic
Odour Threshold:	Not available
Solubility:	Soluble in Water
Specific Gravity:	1.033 – 1.083 g/mL
Relative Vapour Density (air=1):	Not available
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	MORE THAN 140 DEG F
Flammability Limits (%):	Not applicable
Autoignition Temperature (°C):	Not available
% Volatile by Weight:	Not available
Melting Point/Range (°C):	Not available
Boiling Point/Range (°C):	Not available
Decomposition Point (°C):	Not available
pH:	Not available
Viscosity:	Not available
Partition Coefficient:	Not available

10. STABILITY AND REACTIVITY

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical stability:	Stable under normal conditions of use.
Possibility of hazardous reactions:	No dangerous reactions known

Conditions to avoid:	Avoid exposure to heat, sources of ignition, and open flame. Avoid dust generation.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	No hazardous decomposition product if stored and handled as indicated.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation	Irritating to respiratory system.
Skin contact	Causes mild skin irritation.
Eye contact	Dust may irritate the eyes. Causes mild eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics:	Dusts may irritate the respiratory tract, skin and eyes.
Information on toxicological effects	
Acute toxicity:	No LD50 data available for the product.
Skin corrosion/irritation:	May cause mechanical irritation.
Serious eye damage/eye irritation	May cause mechanical irritation.
Respiratory or skin sensitisation:	Not classified.
Chronic effects:	No information available.
Mutagenicity:	No information available.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific target organ toxicity - single exposure:	Not classified.
Specific target organ toxicity - repeated exposure:	Not classified.
Aspiration hazard:	Not classified.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Avoid contaminating sewers and waterways.
Persistence/degradability:	No information available.
Bioaccumulative potential:	No information available.
Mobility in soil:	No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Should be disposed of by a responsible contractor in accordance with all local, state, provincial, and federal regulations.
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Hazardous waste code: Not established.

14. TRANSPORT INFORMATION

UN Number Dot Hazard Class:	Not regulated as dangerous goods.
UN Proper Shipping Name:	Not regulated as dangerous goods.
Transport Hazard Class(es):	Not regulated as dangerous goods.
Packing Group	Not regulated as dangerous goods.
Other Transport Information:	Not Required
Environmental hazards:	Not available
Special precautions for user:	Do not handle until all safety precautions have been read and understood.

15. REGULATORY INFORMATION

OSHA Specifically Regulated Substances:	Not listed.
SARA 304 Emergency release notification:	Not regulated.
TSCA (Toxic Substances Control Act):	Not regulated.
CERCLA Hazardous Substance:	Not listed.

16. OTHER INFORMATION

Prepared By:	Quality Control Department
Date:	September 26, 2019

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