

Flavour Art North America

FA5522 – Blueberry Ice Flavour

Safety Data Sheet

Revision 1
Date: 11/20/2023

Section 1. Identification of substance and company

1.1 Product Identifier.

Code: FA5522

Product Name: Blueberry Ice

1.2 Relevant identified uses and uses advised against

Intended use: Aroma/Flavouring Agent

Identified uses:	Industrial	Professional	Consumer
Food industries, E-liquids	✓	✓	-

1.3 Details of the supplier of the safety data sheet

Name: Flavour Art North America Inc.

Address: 4724 Christie Drive, Beamsville. ON. Canada L3J 0T5

Email Address: orders.fana@flavourart.it

1.4 Emergency telephone number

For urgent inquiries refer to: 905-397-4182

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to EC Regulation 1907/2006 and subsequent amendment.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

2.2 Label Elements

Hazard labelling pursuant to EC regulation 1272/2008 CLP) and subsequent amendments and supplements.

Hazard Pictograms:



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Signal words: Irritant

Hazard Statements:

H317 May cause allergic like skin reaction

H302 Harmful if swallowed

Precautionary statements:

P102 Keep out of reach of children

P302+P352 IF ON SKIN: Wash with plenty of water for several minutes.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical aid if problem persists.

Contains: 2-Isopropyl-N,2,3-Trimethylbutyramide

2.3 Other Hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%

Section 3. Composition/information on ingredients.

3.1 Substances

Information not relevant

3.2 Mixtures

Identification	Concentration (%)	Classification (1272/2008 CLP)
Ethyl Acetate CAS: 141-78-6	0-0.5*	Eye Irrit. 2 H319; STOT SE 3 H336; Flam. Liq. 2 H225
Geranyl Formate CAS: 105-86-2	0-0.1*	Skin Sens. 1 H317, Aquatic Chronic 1 H410 M=1
Lemon Essential Oil CAS: 84929-31-7	0-0.01*	Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411
Isopentanol CAS: 123-51-3	0-0.01*	Flam. Liq. 3 H226, Acute Toc. 4 H332, eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335. STA Inhalation mists/powders: 1.5 mg/L, STA Inhalation vapours :11 mg/L

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2-Isopropyl-N,2,3-Trimethylbutyramide CAS: 51115-67-4	8.5-10.5*	Acute Tox. 4 H302; STA Oral: 500 mg/kg
Propylene Glycol CAS: 57-55-6	70-100*	

* Exact concentrations are withheld as proprietary information.

Section 4. First aid measures.

4.1 Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: remove contaminated clothing. Rinse with a shower immediately. Wash contaminated clothing before using again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorized by a doctor

4.2 Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

For symptoms and effects caused by the contained substances, see chap. 11

4.3 Indication of any immediate medical attention and special treatment needed

Information not available.

Section 5. Firefighting measures.

5.1 Extinguishing media.

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: Carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None known

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products. Inhalation irritant.

5.3 Advice for firefighters

GENERAL INFORMATION

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Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used to extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Normal firefighting clothing in combination with self-contained open circuit positive pressure compressed air breathing apparatus.

Section 6. Accidental release measures.

6.1 Person precautions, protective equipment and emergency procedures

Block leakage if there is no hazard. Wear suitable protective equipment to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2 Environmental precautions

The product must not penetrate in the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13

6.4 Reference to other sections

Any information on personal protection and disposal is given in section 8 and 13.

Section 7. Handling and storage.

7.1 Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink, or smoke during use. Remove any contaminated clothes and personal protective equipment before entering place in which people eat.

7.2 Conditions for safe storage, including any incompatibilities.

Store only in the original container. Store the containers sealed in a well ventilated place, and away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end user(s)

Information not available.

Section 8. Exposure controls/personal protection.

8.1 Control parameters

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Substance name: Acetic acid CAS: 64-19-7

DNEL/DMEL (Derived No-effect level/Derived minimal effect level): Not available PNEC (Predicted No-effect Concentration): Not available

OCCUPATIONAL EXPOSURE LIMIT (OEL)/ INDICATIVE OEL (IOELV) Country: EU (Directive 2006/15/EC and subsequent amendments)

Route of exposure: - 8 h [mg/m³]: 25 8 h [ppm]: 10 Short term (15 minutes) [mg/m³]: 50 Short term (15 minutes) [ppm]: 20

Substance name: Ethyl acetate CAS: 141-78-6

DNEL/DMEL (Derived No-effect level/Derived minimal effect level): Not available

PNEC (Predicted No-effect Concentration): Not available

WORKPLACE EXPOSURE LIMIT (WEL) Country: GB (EH40/2005)

Route of exposure: - 8 h [mg/m³]: - 8 h [ppm]: 200 Short term (15 minutes) [mg/m³]: - Short term (15 minutes) [ppm]: 400

OCCUPATIONAL EXPOSURE LIMIT (OEL)/ INDICATIVE OEL (IOELV) Country: EU (Directive 2006/15/EC and subsequent amendments)

Route of exposure: - 8 h [mg/m³]: 734 8 h [ppm]: 200 Short term (15 minutes) [mg/m³]: 1468 Short term (15 minutes) [ppm]: 400

Substance name: Isoamyl acetate CAS: 123-92-2

DNEL/DMEL (Derived No-effect level/Derived minimal effect level): Not available

PNEC (Predicted No-effect Concentration): Not available

OCCUPATIONAL EXPOSURE LIMIT (OEL)/ INDICATIVE OEL (IOELV) Country: EU (Directive 2006/15/EC and subsequent amendments)

Route of exposure: - 8 h [mg/m³]: 270 8 h [ppm]: 50 Short term (15 minutes) [mg/m³]: 540 Short term (15 minutes) [ppm]: 100

Substance name: Propylene glycol CAS: 57-55-6

DNEL/DMEL (Derived No-effect level/Derived minimal effect level): Not available

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PNEC (Predicted No-effect Concentration): Not available

WORKPLACE EXPOSURE LIMIT (WEL) Country: GB (EH40/2005)

Route of exposure: - 8 h [mg/m³]: total vapour and particulates 474; particulates 10 8 h [ppm]: total vapour and particulates 150; particulates - Short term (15 minutes) [mg/m³]: total vapour and particulates -; particulates - Short term (15 minutes) [ppm]: total vapour and particulates -; particulates -

8.2 Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles

RESPIRATORY PROTECTION

If the threshold value is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1,2,3) must be chosen according to the limit or use concentration. In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus or external air-intake breathing apparatus. for correct choice of respiratory device see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Section 9 Physical and chemical properties.

9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	Yellow
Odour	Characterisitc
Odour threshold	not available
pH.	Not Available
Melting point / freezing point	not available
Initial boiling point	not available
Boiling range	not available
Flash point	81.5°C
Evaporation rate	not available
Flammability (solid, gas)	not available
Lower inflammability limit	not available
Upper inflammability limit	not available
Lower exposure limit	not available
Upper exposure limit	not available
Vapour pressure	not available
Vapour density	not available
Relative density	1.04 g/ml
Solubility	Soluble in water
Partition coefficient: n-octanol/water	not available
Auto-ignition temperature	not available
Decomposition temperature	not available
Viscosity	not available
Explosive properties	not available
Oxidizing properties	not available

9.2 Other Information

Information not available

Section 10. Stability and Reactivity.

10.1 Reactivity

No known risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid

None in particular. However, usual precautions for chemical products should be respected.

10.5 Incompatible Materials.

Information not available

10.6 Hazardous decomposition products

Information not available

Section 11. Toxicological information.

11.1 Information on toxicological effects.

Acute Toxicity

LC50 (inhalation – vapours) of the mixture:	not classified (no significant component)
LC50 (inhalation – mists/powders) of the mixture:	not classified (no significant component)
LD50 (Oral) of the mixture:	not classified (no significant component)
LD50 (Dermal) of the mixture:	not classified (no significant component)

Skin Corrosion / Irritation

Does not meet the classification criteria for this hazard class

Serious Eye Damage / Irritation

Does not meet the classification criteria for this hazard class

Respiratory or Skin Sensitization

May cause allergic skin reaction

Germ Cell Mutagenicity

Does not meet the classification criteria for this hazard class

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Carcinogenicity

Does not meet the classification criteria for this hazard class

Reproductive Toxicity

Does not meet the classification criteria for this hazard class

STOT – Single Exposure

Does not meet the classification criteria for this hazard class

STOT – Repeated Exposure

Does not meet the classification criteria for this hazard class

Aspiration Hazard

Does not meet the classification criteria for this hazard class

Section 12. Ecological Information

12.1 Toxicity

Information not available

12.2 Persistence and degradability

Information not available

12.3 Bioaccumulative potential

Information not available

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0.1%

12.6 Other adverse effects

Information not available

Section 13. Disposal considerations.

13.1 Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorized waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

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Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

Section 14. Transport Information

14.1 UN number

Not Applicable

14.2 UN proper shipping name

Not Applicable

14.3 Transport hazard class(es)

Not Applicable

14.5 Environmental hazards

Not Applicable

14.6 Special precautions for user

Not Applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

Section 15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance

Seveso Category – Directive 2012/18/EC: None.

Restrictions relating to the product or contained substances pursuant to annex XVII to EC Regulation 1907/2006.

Product

Point. 3

Substances in Candidate List (Art. 59 REACH).

On the basis of available data, the product does not contain any SVHC in percentage greater than 0.1%

Substances subject to authorization (Annex XIV REACH)

None.

Substances subject to exorption reporting pursuant to (EC) Reg. 649/2012

None.

Substances subject to the Rotterdam Convention:

None.

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Substances subject to the Stockholm Convention:

None.

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

Section 16. Other Information.

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity – single exposure, category 3
H318	Causes serious eye damage
H319	Causes serious eye irritation
H315	Causes skin irritation
H335	May cause respiratory irritation

LEGEND

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce 50% effect)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency schedule
- GHS: Globally Harmonized System of classification and labelling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for Dangerous Goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%

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- LD50: Lethal Dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold limit value
- TLV Ceiling: Concentration that should not be exceeded during any time of occupational exposure
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic compounds
- vPvB: Very persistent and very bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German)

GENERAL BIBLIOGRAPHY

1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EU) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- The Merck Index – 10th Edition
 - Handling Chemical Safety
 - INRS – Fiche Toxicologique (toxicology sheet)
 - Patty – Industrial Hygiene and Toxicology
 - N.I. Sax – Dangerous properties of Industrial Materials-7, 1989 Edition
 - ECHA website

Note for users:

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The information contained in the present sheet are based on our knowledge on the date of the last version. Users must verify the suitability and thoroughness of the provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide and appoint staff with adequate training on how to use chemical products.