SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifier:	30111 Still Spirits Top Shelf Smoky Whiskey Spirit Flavouring
1.2 Relevant identified uses of the substance or mixture and uses advised against:	**Relevant identified Use:** Concentrated food flavour, intended for further dilution in water and alcohol prior consumption, as per product instructions. **Uses advised against: Not available**
1.3 Details of the supplier of the Safety Data Sheet:	Bevie Handcraft NZ Limited, Address: 328 Rosedale Road, Albany, Auckland, New Zealand Telephone: +64 9 415 1206 Email: customerservice@bevie.co
1.4 Emergency telephone number:	**Telephone number:** +64 9 415 1206 **Opening Hours:** 7.30am to 4.30pm, Monday to Thursday; 8.00am to 2pm Friday

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Classification according to Hazardous Substances and New Organisms (HSNO)

Flammable Liquid 3.1C
Serious eye damage/eye irritation 8.3A
Skin corrosion/Irritation 6.3A

2.1.2 Classification according to Globally Harmonised System (GHS)

Flammable Liquid Category 3
Serious Eye Damage 1
Skin corrosion/Irritation Category 2

2.1.3 Additional information

2.2 Label elements

Labelling according to GHS

Hazard pictogram(s):	
Signal Word:	Danger
Hazard Statement(s):	Flammable liquid and vapour Causes skin Irritation Causes serious eye damage
Precautionary Statement(s):	**Prevention:** P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

	P233 Keep container tightly closed. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof, electrical, ventilating and lighting equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P264 Wash exposed skin thoroughly after handling P280 Wear protective gloves, eye and face protection. Avoid breathing dust/fume/gas/mist/vapours/spray Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. **Response:** P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin/hair with water/ shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. P370+P378 In case of fire use dry chemical, foam or CO2 for extinction. **Storage:** P403+P235 Store in a well-ventilated place. Keep cool.
2.3 Other hazards	Not avaliable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance	**CAS #**	**Proportion**	**Classification according to HSNO**
Hazardous ingredients (s)			
Ethanol	64-17-5	**~10%**	Flam. Liq.: 2; H225 Eye Irrit.: 2; H319
Flavouring mixture (breakdown of raw flavourings below)	n/a	**~4%**	n/a
Ethanol	64-17-5	>= 50 - <= 100	Flam. Liq.: 2; H225 Eye Irrit.: 2; H319
3-Methylbutan-1-ol	123-51-3 204-633-5	>= 10 - < 20	Eye Irrit.: 2; H319 Skin Irrit.: 2; H315 Acute Tox.: 4 (Inhalation); H332 Flam. Liq.: 3; H226 STOT SE: 3; H335
2-Methylbutan-1-ol	137-32-6 205-289-9	>= 5 - < 10	STOT SE: 3; H335 Acute Tox.: 4 (Inhalation); H332 Flam. Liq.: 3; H226 Skin Irrit.: 2; H315 Eye Irrit.: 2; H319

Acetic acid	64-19-7 200-580-7	>= 5 - < 10	Skin Corr.: 1A; H314 Eye Dam.: 1; H318 Flam. Liq.: 3; H226 Acute Tox.: 4 (Dermal); H312
2-Methylpropan-1-ol	78-83-1 201-148-0	>= 1 - < 5	Eye Dam.: 1; H318 Skin Irrit.: 2; H315 STOT SE: 3; H336, H335 Flam. Liq.: 3; H226
Propan-1-ol	71-23-8 200-746-9	>= 1 - < 5	Flam. Liq.: 2; H225 Eye Dam.: 1; H318 STOT SE: 3; H336
Non-hazardous ingredient(s)			
Glycerine	56-81-5	**<50%**	n/a
Water	7732-18-5	**~35%**	n/a
Colouring (caramel)	8028-89-5	**~ 1%**	n/a

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Following inhalation:	If inhaled, remove affected person from contaminated area to a fresh air source. Keep at rest until recovered. If symptoms develop and/or persist call a Poison centre or seek medical attention.
Following skin contact:	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical attention if irritation persists
Following eye contact:	Immediately wash eyes with copious amounts of water while holding the eye open (for at least 20mins). Remove contact lenses. Continue rinsing. Protect unharmed eye. Seek medical attention if irritation persists.
Following Ingestion:	Rinse out mouth with water. Give water to drink in order to dilute stomach contents. Do not induce vomiting. If a person vomits when lying on their back, place them in the recovery position. Never give anything by mouth to an unconscious person. Seek medical attention.
Self protection of the first aider:	Move out of dangerous area. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Not available

4.3 Indication of any immediate medical attention and special treatment needed

Not available

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media:	**Suitable extinguishing media:**

	Use Water fog (or if unavailable fine water spray), alcohol-resistant foam, dry chemical, sand or carbon dioxide.
5.2 Special hazards arising from the substance or mixture:	**Hazardous combustion products:** Do not allow run-off from firefighting to enter drains or water courses. Flash back possible over considerable distance. Do not use solid water stream as it may scatter and spread fire.
5.3 Advice for fire-fighters:	In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers. Keep upwind. Consider evacuation. Shut off all possible sources of ignition. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Heating can cause expansion or decomposition leading to a violent rupture of containers. On burning will emit toxic fumes including those of carbon monoxide and carbon dioxide. Fire fighters to wear self-contained, breathing apparatus, if risk of exposure to vapour or products of combustion. And protective gloves and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
6.1.1 For non-emergency personnel	Ensure adequate ventilation. Eliminate sources of ignition. Consider need for evacuation. Clear area of all unprotected personnel. Wear appropriate protective clothing and respiratory protection. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
6.1.2 For emergency responders	
6.2 Environmental precautions:	Prevent the material from entering drains or water courses. If unpreventable, advise authorities. Use temporary bund or impervious barrier. Prevent further leakage or spillage if safe to do so.
6.3 Methods and material for containment and cleaning up	
6.3.1 For containment:	Contain and absorb using earth, sand or other inert material. Sweep up, wiper up or vacuum up spillage and collect in suitable container for disposal. Transfer into suitable containers for recovery or disposal. Spillages will create a fire hazard.
6.3.2 For cleaning up:	
6.3.3 Other information:	Suppress (knock down) gases/vapours/mists with a water spray jet.
6.4 Reference to other sections	For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:	**Protective measures:** Use in a well ventilated area. Avoid inhaling vapour. Avoid contact with eyes, skin and clothing. Keep

	container tightly closed when not in use. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use explosion-proof equipment. Do not spray on a naked flame or any incandescent material. When using do not smoke. Keep away from open flames, hot surfaces and sources of ignition. Minimised exposure is advised as the health effects of this material have not been fully assessed. Avoid formation of aerosol.
7.2 Conditions for safe storage, including any incompatibilities:	Store in a cool, dry area, well-ventilated area, away from direct sunlight. Keep away from sources of heat or ignition. Do to the nature of the application of this product, store away from odorous, toxic, harmful or corrosive materials.
7.3 Specific end use(s):	Not available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits:

Substance	**CAS Registry Number**	**TWA (mg/m^3)**	**STEL**
New Zealand			
Ethanol	64-17-5	1880 mg/m^3 1000 ppm	Not available
3-Methylbutan-1-ol	123-51-3	100 ppm	125 ppm
2-Methylpropan-1-ol	78-83-1	50 ppm	75 ppm
Propan-1-ol	71-23-8	200 ppm	250 ppm
Propane-1,2-diol	57-55-6	10 mg/m^3 150 ppm	Not available
Butan-1-ol	71-36-3	Not available	50 ppm
Acetic Acid	64-19-7	10 ppm	20 ppm
Glycerine	56-81-5	10 mg/m^3	Not available

Information on monitoring procedures: Not available

DNEL/DMEL and PNEC-Values: Not available

8.2 Exposure controls

8.2.1 Appropriate engineering controls:	Not available
8.2.2 Personal protection equipment:	**Eye and face protection:**

	Chemical goggles, safety glasses or face shield. Eye wash bottle with pure water. **Skin protection:** Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6; Overalls. Lightweight protective clothing. Remove and wash contaminated clothing before re-use. **Respiratory Protection:** Respiratory protection is required if there is a risk of exposure to high vapour concentrations. **Hygiene measures:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. **Protective measures:** When using, do not eat, drink or smoke.
8.2.3 Environmental exposure controls:	Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark brown liquid with amber notes
Odour:	Typical smoky whiskey aroma
Odour threshold:	Not available
pH:	3.42 (@approx. 20.8°C)
Melting point/ freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flashpoint:	39°C (ASTM D93A)
Evaporation rate:	Not available
Flammability (solid, gas):	Not available
Upper/ lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Relative density:	1.1125 (@approx. 20.8°C)
Solubility:	Miscible in water and ethanol
Partition coefficient: n-octanol/water:	Not available

Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	Product is stable under normal conditions of use, storage and temperature.
10.2 Chemical stability:	Product is stable under normal conditions of use, storage and temperature.
10.3 Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid:	Avoid excessive heat, flames, ignition sources and incompatibles.
10.5 Incompatible materials:	Not available
10.6 Hazardous decomposition products:	Not available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Acute toxicity:	**No information available for the mixture** Toxicity of raw ingredients: <u>Acute Toxicity Ethanol:</u> Acute Toxicity – Oral LD50 (rat): 7060mg/kg LD50 (mouse): 3450mg/kg Acute Toxicity – Inhalation LC50 (rat): 20000ppm/10h LC50 (rat): >8000ppm/4h <u>Acute Toxicity Glycerine:</u> Acute Toxicity - Oral LD50 (rat): 12600 mg/kg. Acute Dermal Toxicity, LD50: >4000 mg/kg. Inhalation: No data available. <u>Acute Toxicity Flavouring:</u> Bourbon Flavouring: Acute toxicity estimate: > 20 mg/l , 4 h, Calculation method

	Smoke Flavouring: > 2.000 mg/kg, Calculation method
Skin corrosion/irritation:	Causes skin irritation
Serious eye damage/ irritation:	Causes serious eye damage
Respiratory or skin sensitisation:	Not available
Germ cell mutagenicity:	Not available
Carcinogenicity:	Not available
Reproductive toxicity:	Not available
Summary of evaluation of the CMR properties:	Not available
STOT-single exposure:	Not available
STOT-repeated exposure:	Not available
Aspiration hazard:	Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: No information available for mixture	
Acute (short-term) toxicity:	Not available
Chronic (long-term) toxicity:	Not available
12.2 Persistence and degradability:	Not available
12.3 Bioaccumulative potential:	Not available
12.4 Mobility in soil:	Not available
12.5 Results of PBT and vPvB assessment	Not available
12.6 Other adverse effects	Not available
12.7 Additional information	Not available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Dispose in accordance with applicable local and national regulations. Avoid disposing into drainage systems and into the environment.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number:	1197
14.2 UN proper shipping name:	Extracts, Flavouring, Liquid
14.3 Transport hazard class(es):	3
14.4 Packing group:	III
14.5 Environmental hazards:	Not available
14.6 Special precautions for user:	Not available
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not available

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture:
NZ HSNO Group Standard Approval number HSR002576 (Food Additives and Fragrance Materials)

15.2 Chemical Safety Assessment:
Not available

SECTION 16: OTHER INFORMATION

16.1 Indication of changes:	Updated company name
16.2 Key Literature references and sources for data:	Supplier raw material safety data sheets External flash point testing of mixture EPA: Assigning a Product to a HSNO Approval Revised August 2013 NZ Workplace Exposure Standards 2017 UN Globally Harmonised System of Classification and Labelling of Chemicals (GHS), 4th revise edition 2011

16.3 Legal Disclaimer:
Technical information contained herein, including recommendation(s) for use is, to the best of our knowledge, true and accurate at the time of preparation. This document shall be used only as a guide. A new safety data sheet shall be prepared upon introduction of new ingredients or when there are changes to regulations. Bevie Craft will not accept responsibility for changes to this document by another person or organisation.

End of SDS