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

1.1 Product identifier:	30107 Still Spirits Top Shelf Whiskey Spirit Flavouring
1.2 Relevant identified uses of the substance or mixture and uses advised against:	**Relevant identified Use(s):** Concentrated food flavouring, intended for further dilution in alcohol prior consumption, as per product instructions. **Uses advised against:** Not applicable
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 Liquids 3.1C
Serious eye damage/eye irritation 6.4A

2.1.2 Classification according to Globally Harmonised System (GHS)

Flammable Liquids Category 3
Serious eye damage/eye irritation Category 2A

2.1.3 Additional information

2.2 Label elements

Labelling according to GHS

Hazard pictogram(s):	
Signal Word:	Warning
Hazard Statement(s):	H226 Flammable liquid and vapour H319 Causes serious eye irritation
Precautionary Statement(s):	**Prevention:** P103 Read label before use 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 contaminated skin thoroughly after handling. P280 Wear protective gloves eye and 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. P310 Immediately call a POISON CENTER/doctor/manufacturer/supplier or the competent authority to specify the appropriate source of emergency medical advice. P337+P313 If eye irritation persists: get medical; advice/attention. P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. **Storage:** P403+P235 Store in a well-ventilated place. Keep cool.
2.3 Other hazards	**Not available**

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance	**CAS #**	**Proportion %**	**Classification according to HSNO**
<u>Hazardous Ingredient(s)</u>			
Flavouring Mixture	n/a	~18%	Flam. Liq. 2: H225 Eye Irrit. 2: H319
Ethanol	64-17-5	~30%	Flam. Liq.: 2; H225 Eye Irrit.: 2; H319
<u>Non-hazardous ingredient(s)</u>			
Caramel (colouring)	8028-89-5	~2%	n/a
Water	7732-18-5	~10%	n/a
Glycerine	56-81-5	~40%	n/a

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:	
General Information	Move Patient out of dangerous area. Do not leave victim unattended.
Following inhalation:	Remove from exposure. If unconscious place in recovery position and seek medical advice.
Following skin contact:	Wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.
Following eye contact:	Immediately wash eyes with copious amounts of water while holding the eye open. Remove contact lenses. 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 his back, place him 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 spray, alcohol-resistant foam, dry chemical 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 (SCBA) and appropriate personal protective clothing and equipment. In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers. Use water spray to disperse vapours. The product should be prevented from entering drains and watercourses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
6.1.1 For non-emergency personnel	**Protective equipment:** Ensure adequate ventilation. Eliminate sources of ignition. Consider need for evacuation. 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. 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:	Not available
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. 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 or ppm)	STEL
Ethanol	64-17-5	1880 mg/m^3 1000 ppm	Not available

Glycerine (Glycerol/Glycerin Mist)	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, face shield or safety glasses. Eye wash bottle with pure water. **Skin protection:** PVC or rubber gloves; Overalls. 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 of whiskey
Odour threshold:	Not available.
pH:	Not available.
Melting point/ freezing point:	Not available.
Initial boiling point and boiling range:	Not available.
Flashpoint:	25°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:	Not available
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

	Acute Toxicity Glycerine: Acute Toxicity - Oral LD50 (rat): 12600 mg/kg. Acute Dermal Toxicity, LD50: >4000 mg/kg. Inhalation: No data available.
Skin corrosion/irritation:	May be irritating to skin.
Serious eye damage/ irritation:	Causes serious eye irritation.
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:	
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	Dispose in accordance with applicable local and national

methods	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
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 2013
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