



Material Safety Data Sheet

Section 1. Identification of the Substance/Mixture and the Company/Undertaking

1.1. Product Identifier

Product Name: Ohm Brew 50:50 The Cuban (18, 12, 6 and 3 mg/mL Nicotine)
Pure Substance/Mixture: Mixture containing Nicotine Salicylate, propylene glycol, glycerin and flavour
Chemical Family: Active ingredient: Nitrogen Heterocyclic Compound
Note: Where data is not available for Nicotine Salicylate details for the parent compound have been substituted

1.2. Relevant identified uses of the substances or mixture and uses advised against

Recommended Use: E-Liquid for electronic cigarette consumer use
Uses advised against: Any use other than recommended

1.3. Details of the Supplier of the safety data sheet

Manufacturer: Webottle
Address: Unit G3, Inspire Business Park
Carrowreagh Road
Dundonald
Northern Ireland
BT16 1QT
Tel: +44 (0) 28 90419924

1.4. Emergency Telephone Number

Emergency Telephone Number: 44 (0) 28 90419924

Section 2. Hazards Identification

This product is classified as "Hazardous" according to Regulation (EC) No 1272/2008 and its amendments.

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (including amendments):

Acute Oral Toxicity: Category 2
Acute Dermal Toxicity: Category 1
Acute Toxicity Inhalation: Category 2

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008 [CLP]:

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Hazard pictograms:



Signal word: Danger

Hazard Statements

H301 – Toxic if swallowed

H311 – Toxic in contact with skin

H411 – May cause long lasting harmful effects to aquatic life

Precautionary Statements – EU (1272/2008)

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P262 - Do not get in eyes, on skin, or on clothing

P280 Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P322: Specific measures (see advice on label).

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents/container in accordance to local/national regulations.

P273: Avoid Release to the environment

Section 3. Composition/Information of Ingredients

3.1. Substances

Not Applicable

3.2. Mixtures

Chemical Nature of the Preparation – Nicotine Salicylate in propylene glycol, propylene glycol, glycerin and flavour.

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Chemical Name	CAS No.	% Weight	Classification	EU-GHS Substance Classification	Reach No.
Propylene Glycol	57-55-6	50		-	01-2119456809-23-0000
Glycerine	56-81-5	50		-	Exempt
Nicotine salicylate	29790-52-1	1.8, 1.2, 0.6 or 0.3 % of nicotine free base	T; R25 T+; R27 N; R51-53	Acute Tox. 3 (H301) Acute Tox. 1 (H310) Aquatic Chronic (H411)	01-2120066934-47-0001
Flavour		Propriety		-	No Data Available

Section 4. First Aid Measures

4.1. Description of First Aid Measures

General advice	Immediate medical attention is required.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.
Skin Contact	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Inhalation	Remove from exposure site to fresh air and keep at rest. If breathing has stopped give artificial respiration. Observe for possible delayed reaction. Get medical advice/attention if concerned.
Ingestion	Do NOT induce vomiting. Call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person. Drink plenty of water.
Protection of First aiders	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

4.2. Most important symptoms and effects, both acute and delayed

Most important symptoms/effects: Nausea. Tremors. Headaches. Dizziness. Salivation. Vomiting. Diarrhea. Central nervous system depression. Difficulty in breathing. Shortness of breath. Respiratory failure.

4.3. Most important symptoms and effects, both acute and delayed

Notes to physician:

Treat symptoms and eliminate exposure. If emesis has not occurred, it should be induced in conscious patients with a suitable emetic followed by an appropriate dose of activated charcoal.



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In unconscious patients with a secure airway, instil activated charcoal via a nasogastric tube. A saline cathartic or sorbitol may be added to the first dose of activated charcoal. Other supportive measures include diazepam or barbiturates for seizures, atropine for excessive bronchial secretions or diarrhoea, respiratory support for respiratory failure, and vigorous fluid support for hypotension and cardiovascular collapse.

Section 5. Fire-Fighting Measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None

5.2. Specific hazards arising from the mixture

During a fire, irritating and toxic gases may be generated by thermal decomposition or Combustion

5.3. Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Do not get in eyes, skin or on clothing. Do not breathe vapors or spray mist. Ensure adequate ventilation.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information

6.3. Methods and material for containment and cleaning up

Containment: Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

Clean up: Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in



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appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

Section 7. Handling and Storage

7.1. Precautions for safe handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Keep out of direct sunlight. Keep away from heat and sources of ignition. Keep out of the reach of children. No known incompatibilities.

7.3. Specific end use (s)

This product should only be used as intended

Section 8. Exposure Controls/Personal Protection

8.1. Occupational Exposure Limits

Nicotine Salicylate, as supplied, does not possess occupational exposure limits established by the region specific regulatory bodies. Therefore, exposure limits for nicotine have been presented.

Chemical Name	UK Exposure Limits
Propylene Glycol 57-55-6	STEL: 30 mg/m ³ , 450 ppm TWA: 10 mg/m ³ , 150 ppm
Nicotine 54-11-15	STEL: 1.5 mg/m ³ , 1.5 ppm TWA: 0.5 mg/m ³
Glycerin 56-81-5	TWA: 10 mg/m ³

8.2. Engineering Controls

Ensure adequate ventilation, especially in confined areas

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8.3. Personal Protective Equipment

Eye/face protection	Tight sealing safety goggles.
Skin and Body Protection	Wear protective gloves and protective clothing.
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene	When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

Section 9. Physical and Chemical Properties

9.1. Physical and Chemical Properties

Appearance:	Liquid
Colour:	Clear colourless to light brown (varies with flavour)
Odour:	As per the product description
Odour threshold:	No data available
pH:	No data available
Melting/freezing point:	No data available
Initial boiling point and Boiling range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available
Vapour density:	No data available
Relative density (water=1):	No data available
Solubility(ie's):	No data available
Partition coefficient (n-octanol/water):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available



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9.2. Other information

No data available

Section 10. Stability and Reactivity

10.1. Reactivity

Not reactive under normal conditions. Nicotine is photosensitive and will darken upon exposure to light

10.2. Chemical Stability

Stable under normal storage/handling conditions

10.3. Possibility of hazardous reactions

None under normal processing conditions

10.4. Conditions to avoid

Heat. Protect from light.

10.5. Incompatible materials

Strong acids. Oxidizing agents

10.6. Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NO_x)

Section 11. Toxicological Information

11.1. Reactivity

No data are available for the product therefore available data for the components of the product are provided below.

Acute Toxicity

Product Information Symptoms of acute nicotine toxicity include pallor, cold sweat, nausea, salivation, vomiting, abdominal pain, diarrhea, headache, dizziness, disturbed hearing and vision, tremor, mental confusion, weakness, and cyanosis (inadequate oxygen levels in the blood). Prostration, hypotension, and respiratory failure may ensue with large overdoses. Lethal respiratory paralysis or, less frequently, cardiac failure.

Toxicology data for the component

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Nicotine	50 mg/kg (Rat)	-	-



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Propylene Glycol	20000 mg/kg (Rat)	20800 mg/kg (Rabbit)	-
Glycerin	27200 mg/kg (Rat)	56750 mg/kg (Guinea pig)	4655 mg/min/L (Rat)

Sensitization	No information Available
Mutagenic Effects	Neither nicotine nor cotinine (metabolite) were shown to be mutagenic in Ames salmonella test Glycerin and propylene glycol both have no mutagenic effects
Carcinogenic Effects	Nicotine itself does not appear to be a carcinogen in laboratory animals. However, nicotine and its metabolites increased the incidences of tumors in the cheek pouches of hamsters and forestomach of F344 rats, respectively, when given in combination with tumor-initiators. One study suggested that cotinine, the primary metabolite of nicotine, may cause lymphoreticular sarcoma in the large intestine of rats. Glycerin and propylene glycol do not have carcinogenic effects
Reproductive Toxicity	Nicotine crosses the placenta and is freely distributed in milk, reportedly producing concentrations in breast milk averaging 2.9 times those in plasma. Small amounts of nicotine appear in the serum and urine of infants of nursing women who smoke. Glycerin and propylene glycol are not known to have any effects on growth fertility
Development Toxicity	Nicotine: Embryotoxicity was observed in animal studies at doses that were maternally toxic. Skeletal abnormalities.
STOT- single exposure	See listed target organs below
STOT – repeated exposure	See listed target organs below
Target organs effected	Skin. Eyes. Respiratory system. Central nervous system (CNS). Ears. Gastrointestinal tract (GI). Cardiovascular system. Blood.

Section 12. Ecological Information

12.1. Toxicity

Hazards to the aquatic environment

Nicotine May cause long term adverse effects in the aquatic environment. EC50 0.242mg/L (48h: Daphnia magna). LC50 4000 ug/L (rainbow trout 96 hrs)



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Glycerin	LC50: 54000 mg/L (96hr: Oncorhynchus mykiss); LC50: 1955 mg/L (48hr: Daphnia magna)
Propylene Glycol	EC50: 1900 mg/mL ((96 hr: Pseudokirchneriella subcapitata) LC50: 41-47ml/L (96hr: Oncorhynchus mykiss) EC50: 710 mg/L (30 min: Microorganisms) LC50: 1000 mg/L (48hr: Daphnia magna)

12.2. Persistence and Degradability

Nicotine Readily biodegradable. The degree of biodegradation reached 71% after 28 days.

Glycerin Readily biodegradable. Almost complete degradation within 24 hours
Propylene Glycol Expected to be biodegradable

12.3. Bioaccumulative Potential

Nicotine has an estimated BCF of 3 in fish

Glycerin and propylene glycol are not expected to be bioaccumulating

12.4. Mobility in Soil

Nicotine, glycerin and propylene glycol are expected to be mobile in soil due to water solubility

12.5. Results of PBT and PVT Assessment

There are no indications that this product contains substances likely to be classified as PBT or vPvB

12.6. Other Adverse Effects

None known

Section 13. Disposal Considerations

13.1. Waste Treatment Methods

Waste from residues / unused products

Dispose in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Waste is classified as hazardous.

Contaminated Packaging

Empty containers should be disposed of in accordance with local regulations

Other Information

None



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Section 14. Transport Information

DOT

UN/ID no	UN1657
Hazard Class	6.1
Packing Group	II
Proper shipping name	Nicotine salicylate
Description	UN1657, Nicotine salicylate, 6.1, II, POISON
Emergency Response Guide Number	151

IMDG

UN/ID no	UN1657
Hazard Class	6.1
Packing Group	II
Proper shipping name	Nicotine salicylate
Description	UN1657, Nicotine salicylate, 6.1, II
EmS-No	F-A, S-A

IATA

UN/ID no	UN1657
Hazard Class	6.1
Packing Group	II
Proper shipping name	Nicotine salicylate
Description	UN1657, Nicotine salicylate, 6.1, II

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Section 15. Regulatory Information

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

International Inventories

TSCA	Exempt
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	-
ENCS	-
IECSC	-
AICS	-
KECL	-



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15.2 Chemical Safety Data Assessment

No information available

Section 16. Other Information

Full text of R-phrases referred to under sections 2 and 3

R25 – Toxic if Swallowed

R27 – Very toxic in contact with skin

R21/22 – Harmful in contact with skin and if swallowed

R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R52/53 – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3

H301 – Toxic if Swallowed

H302 – Harmful if swallowed

H311 – Toxic in contact with skin

H312 – Harmful in contact with skin

H411 – Toxic to aquatic life with long lasting effects

General Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.