










COSHH Assessment

COSHH Risk Assessment Summary	
Description of the activity or process or product:	E-Burn High Security Disposable Strawberry & Lime 18mg/ml
Location of the activity or process being carried out:	Customer Dependent
Identified persons at risk:	Public
Name(s) of the substance(s) involved in the activity/process: (Ensure current copies of all safety data sheets for the substance(s) are attached to this COSHH assessment) *Product SDS attached*	<p>Total Nicotine Concentration 1.8% (w/v), 18mg/ml, (CAS: 54-11-5) Lactic Acid 0.4543% (w/w), (CAS: 200-018-0), combined in the form of nicotine salt. Pyruvic Acid 0.4436% (w/w), (CAS: 204-824-3), combined in the form of nicotine salt. Propylene Glycol (CAS: 57-55-6) Vegetable Glycerin (CAS: 56-81-5)</p> <p>Flavour Compounds: (Above 0.1% by weight, which have Hazard Statements)</p> <ul style="list-style-type: none"> Furaneol

Classification								
Toxic	Harmful / Irritant	Hazardous to the environment	Flammable	Serious Health Hazard	Corrosive	Oxidising	Gas under pressure	Explosive
								
	✓	✓						

Hazard Type							
Solid	Liquid	Gas	Fume	Vapour	Mist	Dust	Other
	✓			✓			
If other, please specify hazard type:							

Exposure Route				
Inhalation	Skin	Ingestion	Eyes	Other
✓	✓	✓	✓	
If other, please specify exposure route:				

Substances					
Substance(s)	Quantity	Precautionary Statements	Hazard Statements	Hazardous Properties	Location
Nicotine 1.8% (w/v), 18mg/ml, (CAS: 54-11-5)	1.8% (w/v) 18mg/ml 1.4ml e-liquid per product	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P264: Wash hands thoroughly after handling. P301 + P312: IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. P330: Rinse Mouth. P410: Protect from sunlight. P501: Dispose of contents/container in accordance with local and national regulations.	H302 H413	Harmful if swallowed. May cause long lasting harmful effects to aquatic life.	N/A
Lactic Acid (CAS: 200-018-0), combined in the form of nicotine salt.	0.4543% (w/w)	-	-	Not classified as hazardous at this concentration.	N/A
Pyruvic Acid (CAS: 204-824-3), combined in the form of nicotine salt.	0.4436% (w/w)	-	-	Not classified as hazardous at this concentration.	N/A
Propylene Glycol (CAS: 57-55-6)	Up to 100% (v/v)	-	-	Not classified as hazardous.	N/A
Vegetable Glycerin (CAS: 56-81-5)	≈ 30% (v/v)	-	-	Not classified as hazardous.	N/A
Furaneol (CAS: 3658-77-3)	≈ 0.1% (w/w)	-	EUH208	Contains Furaneol: May produce an allergic reaction.	N/A



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Workplace Exposure Limits						
Substance(s)	CAS Number	Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit (15-minute reference period)		Comment
		ppm	mg.m ⁻³	ppm	mg.m ⁻³	
Nicotine	54-11-5	-	0.5	-	1.5	Sk
Propylene Glycol, total vapour and particulates,	57-55-6	150	474	-	-	-
particulates		-	10	-	-	-
Vegetable Glycerin	56-81-5	-	10	-	-	-

Source: UK Workplace Exposure Limits EH40/2005 (Fourth Edition, Published 2020)

Comment: Sk - Can be absorbed through the skin. The assigned substances are those which there are concerns the dermal absorption will lead to systemic toxicity.

Exposure Controls	
Engineering Controls	First Aid Measures
<p>Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas.</p> <ul style="list-style-type: none"> Total Containment – N/A Fume Cupboard – N/A Local Exhaust Ventilation – N/A Blast Screen – N/A 	<p>Inhalation: IF INHALED: If breathing is difficult, move to fresh air and keep at rest in a position comfortable for breathing.</p> <p>Skin contact: IF ON SKIN: Wash off immediately with soap and plenty of water, immediately remove all contaminated clothing.</p> <p>Eye contact: IF IN EYES: Rinse cautiously with plenty of water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing for at least 15 minutes.</p> <p>Ingestion: IF SWALLOWED: Call a POISON CENTRE or Doctor/Physician if you feel unwell. Rinse mouth with plenty of water. Do not induce vomiting.</p>
Spillage Procedure	Handling and Storage
<p>Environmental precautions: Prevent the product from entering into surface water, water courses, sewers and drains. Local authorities should be advised if significant spillages cannot be contained.</p> <p>Methods and material for containment and cleaning up: Prevent further leakage or spillage if safe to do so. Wearing protective clothing and gloves, clean up spillages using laboratory spill kit, sand, or other suitable absorbent material. All contaminated objects and surfaces/areas should be cleaned thoroughly observing environmental regulations. Product must not be punctured or destroyed by burning, even when empty.</p>	<p>Precautions for safe handling: Do not get in eyes, on skin, or on clothing. Remove and wash contaminated clothing before re-use. Avoid ingestion. Wash hands thoroughly after handling. Follow all applicable local regulations for handling and storage.</p> <p>Conditions for safe storage, including any incompatibilities: Store in a well-ventilated place. Keep at cool/ambient temperature (room temperature). Protect against UV radiation/sunlight, heat, and moisture.</p> <p>Storage temperature: Ambient Temperature (Room Temperature).</p> <p>Storage life: Stable under normal ambient conditions.</p> <p>Incompatible materials: None known.</p>
Access Control	Disposal Considerations
<p>For users within secure environments, it is up to the staff/team in charge to perform a risk assessment of the E-Burn High Security Disposable E-Cigarette product and to assess the suitability of the product for each individual user.</p>	<p>Waste treatment methods: Treat as hazardous waste. HP6, HP14.</p> <p>Dispose of contents/container in accordance with national and local regulations, use an authorized hazardous waste management service to dispose of hazardous waste. Notice Directive of waste 2008/98/EC.</p> <p>E-Burn Ltd provides a free recycling service for all used e-burns in hospitals, secure environments, prisons, care homes and other customer types. Email: customerservices@e-burn.com</p>
Special/Other Procedures: N/A	

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Personal Protective Equipment								
Wear Safety Glasses	Wear Face/Dust Mask	Wear Face Shield	Wear Foot Protection	Wear Hairnet	Wear Safety Gloves	Wear Hearing Protection	Wear Lab Coat	Wear Respirator
								
(EN 166)	(EN 14683)		Overshoes / Booties		(EN 374)		Chemical resistant lab coat/protective clothing.	

Comments:
PPE is not required when using this product as intended as an e-cigarette. Safety gloves, safety glasses and a face mask are recommended when handling large quantities of used e-burns in the used product recycling bins which are provided to some of our customers.

Note for staff in charge of handling used e-burns, please wear safety gloves (EN 374), safety glasses (EN 166) and face mask (EN 14683).

COSHH Assessment		
The task is safe to be carried out with the control procedures described in this COSHH form.	The task is safe to be carried out subject to the actions listed below:	Task/substance is unsafe, significant non-compliance with health and safety standards.
✓		
Further actions: N/A		

Risk rating following control measures:	High	Medium	Low
			✓

Assessed by:	Joe Costello	Date:	17/10/2023
Next Review Date:	17/10/2024	Current Version:	Ver. 1
Signed:		Date Signed:	17/10/2023