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|  | MATERIAL SAFETY AND DATA SHEET In accordance with the criteria of Regulation 1907/2006 (REACH as amended) | |
| | HYPR TONIC E-LIQUID (12mg) | |
| Date Created: July 21, 2014 | Revision No: 0 | Page 1 of 7 |

| Section 1: Product and Company Identification |
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| Company Name: Hyprtonic E-Liquid Philippines Company Address: #6 Scout Chuatoco St., Roxas District, Quezon City. Contact Person: John Paul T. Diokno Contact Number: 639151124823 E-mail Address: hyprtonic2013@gmail.com Website: www.facebook.com/hyprtonic |
| Product Identifier: E-liquid Product Name: Hyprtonic E-Liquid Relevant Identified Use: Electronic Cigarette Uses advised against: Not determined |


| Section 2: Composition / Hazardous Ingredients Information | | | |
|---|---|---------|-----------|
| Ingredient | % w/w | CAS # | EC |
| Propylene glycol* | ≤50 % | 57-55-6 | 200-338-0 |
| Glycerol* | ≤50 % | 56-81-5 | 200-289-5 |
| Nicotine | 0.6 % | 54-11-1 | 200-193-3 |
| Index No: | 614-001-00-4 | | |
| Classification 67/548/EEC: | T+; R27 T; R25 N; R51/53 | | |
| Classification 1272/2008/EC: | Acute Tox. 1; H310 Acute Tox. 3; H310 Aquatic Chronic 2; H411 | | |
| Registration Number: | The substance during the transitional period | | |
| Hazard Statements: H312 – Harmful in contact with skin | | | |
| Expressions defining condition safe application: P280 – Wear protective gloves P302+P352 – IF ON SKIN: Wash with plenty of soap and water. P312 – Call a POISON CENTER or doctor/physician if you feel unwell. P363 – Wash contaminated clothing before use. P501 – Dispose of contents in accordance with national regulation. | | | |
| Other Hazards: Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. | | | |


*Substance is not classified in Annex VI, Table 3.1 and 3.2 of Regulation 1272/2008.

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| Section 3: Physical and Chemical Properties | | |
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| Color: Variable color (Colorless to dark orange) Appearance: Liquid Odor: Characteristic Boiling Point: Not available | Melting Point / Freezing Point: Not available Vapor Pressure: N/A % Volatile by Volume: N/A Vapor Density: N/A | Reactivity in Water: Non-reactive Flammability: Not flammable Solubility in Water: Soluble Evaporation Rate (Water = 1): <1 |

| Section 4: Fire Fighting Measures |
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| Flammable Properties: Flashpoint: Not specified. Flammable limits in air: N/A Auto ignition temperature: N/A |
| Extinguishing Media: CO ₂ , dry chemical, foam. Procedure for an oil fire should be followed. Use self contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may <u>only</u> be used to keep surrounding containers cool. Unsuitable extinguishing media: Not specified. |
| Special hazards arising from the substance or mixture: Combustion of mixture may produce hazardous products (i.e. carbon dioxide). Avoid inhalation of combustion products as it may pose a health risk. |

| Section 5: Hazards Identification |
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| Classification of the substance or mixture: Classification according 1272/ 2008/EC Acute Tox. 4; H312 Hazards to man: Harmful in contact with skin. Hazards to environment: Not classified as hazardous for the environment. Hazard from physical and chemical properties: None. Hazard pictograms, signal words: <div style="text-align: center;">  WARNING </div> Hazard statements: H312 - Harmful in contact with skin. |

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Primary Routes of Entry:

Skin: Tests on similar products suggests minimal irritation may occur on skin contact.

Eyes: Tests on similar materials suggests that minimal irritation may occur on contact.

Ingestion: Tests on similar materials indicate no significant effects expected. Non-toxic.

Inhalation: Tests on similar materials indicate no acute effects are expected.

The names of hazardous ingredients on the label: Nicotine

Section 6: First Aid Measures

Skin: Wash skin thoroughly with soap and water. Launder all contaminated clothing before use. If skin irritation or rash develops, obtain medical assistance.

Eyes: Flush eyes immediately with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physician.

Ingestion: Product is non-toxic. Do not induce vomiting.

Inhalation: Not likely to occur except as a mist. Move to fresh air and provide oxygen if necessary. Obtain emergency medical attention.

Section 7: Personal Protection / Exposure Controls

Engineering Controls: Keep mists of this material below applicable standards.

Respiratory Protection : Not required if adequate ventilation. If occupational exposure limits are exceeded wear applicable respiratory apparatus.

Skin Protection: Wear protective impervious gloves and clothing on prolonged exposure. Acceptable materials for gloves are polyvinyl chloride; neoprene; polyvinyl alcohol; nitrile; viton.


Eye Protection : Glasses or goggles. Have suitable eye wash water available.

Environmental Exposure Control: Should not be allowed to reach large quantities of ground water, sewage, waste water, or soil.

Other/General Protection: None required.

Control Parameters:

| Substance | TWA | STEL | BLV |
|----------------------------|------------------------|------|-----|
| Glycerol [CAS: 56-81-5] | 50 mg/m3 (Germany) | - | - |
| Nicotine [CAS: 54-11-1] | 0.5 mg/m3 (Germany) | - | - |

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Section 8: Handling and Storage

Handling and Storage Precautions: Keep away from flames, sparks or hot surfaces. Never use torch to cut or weld on or near container. Empty containers can contain explosive vapors.

Do not allow product to freeze. If product freezes, allow product to thaw completely prior to use.

Work/Hygienic Practices: Wash thoroughly after handling. Do not use gasoline, solvents, kerosene, or harsh abrasive for washing exposed skin areas. Take a shower after work if general contact occurs.

Conditions for safe storage and incompatibilities: Keep in properly labeled, factory sealed packaging which complies with current regulations. Store in cool to ambient, well ventilated place (15-25°C).

Specific End Use: Smoking in electric cigarettes.

Section 9: Accidental Release Measures

Personal precautions: Restrict access to non-emergency personnel to the area. Use personal protective equipment.

Environmental precautions: Contain spill and keep from entering waterways or sewers. Notify appropriate administrative authority control and rescue services. Dispose used packaging.

Material containment and cleaning up: Eliminate ignition sources. Secure damaged container. Absorb spillage with inert material. Shovel, sweep or vacuum spill. Transfer collected product in a substitute container and refer to the destruction or re-use of the said product. Provide adequate ventilation.

Section 10: Toxicological Information

Acute Studies: Tests on similar materials show a low order of acute oral and dermal toxicity.

Eye Effects: Minimal irritation on contact.

Skin Effects: Practically non-toxic if absorbed. May cause mild irritation with prolonged and repeated contact.

Acute Oral Effects: Tests on similar materials indicate low order of acute oral toxicity.

Acute Inhalation Effects: Low acute toxicity expected on inhalation.

Acute toxicity: Nicotine (CAS: 54-11-5)

LD50 (oral, mouse) 3mg/kg

LD50 (oral, rat) 50 mg/kg

LD 50 (dermal, rat) 140 mg/kg

Section 11: Stability and Reactivity


Stability: Stable under general conditions

Decomposition Products: Oxides of Carbon and Hydrogen

Condition to avoid: Sources of ignition

Incompatibility: Strong oxidizing or reducing agents

Hazardous Polymerization: Will not occur.


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| Section 12: Ecological Information |
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| Toxicity: Not specified Persistence and degradability: Not specified Bio accumulative potential: Not specified Mobility in soil: Soluble in water. May penetrate into the soil. Results of NIT and vPvB assessment: Not applicable. Other adverse effects: Not applicable. |

| Section 13: Disposal |
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| Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system. |

| Section 14: Transport Information |
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| UN Number: None. UN Proper Shipping Name: None Transport Hazard Class (es): None Packing group: None Environmental Hazard: Not specified. Special Precautions: Not applicable. |

| Section 15: Regulatory Information |
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| Safety, health and environmental regulations/legislation specific for the substance or mixture: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended. |
| Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended. Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). |
| Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on waste as amended. Council Directive of 12 December 1991 on hazardous waste (91/689/EEC) as amended. European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended. |

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Chemical Safety Assessment: There are no data on the chemical safety.

Section 16: Other information in full text of statements R and H under Section 2

R25 – Toxic if swallowed
 R27 – Very toxic in contact with skin.
 R36/38 – Irritating to eyes and skin.
 R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 H301 – Toxic if swallowed.
 H310 – Fatal in contact with skin.
 H315 – Causes skin irritation.
 H319 – Causes serious eye irritation.
 H411 – Toxic to aquatic life with long lasting effects.

Key to abbreviations and acronyms:

Acute Tox. 1, 4 – Acute toxicity (dermal), Hazard Category 1, 4.
 Acute Tox. 3 – Acute toxicity (oral), Hazard Category 3
 Aquatic Chronic 2 – Hazardous to the aquatic environment – Chronic Hazard, Category 2.
 BLV – Biological limit values.
 Eye Irrit. 2 – Serious eye damage/eye irritation, Hazard Category 2.
 LC50 – Median lethal concentration.
 LD50 – Median lethal dose.
 Skin Irrit. 2 – Skin corrosion/irritation, Hazard Category 2.
 STEL – Short-term exposure limit.
 TWA – 8 hours time-weighted average.
 Training advice: Before use read the MSDS.


Sources of key data:

MSDS – from the producer Nicotine 10% in Glycerin (13.07.2012, revision date).
 12 Propylenoglykol Specification USP
 Glycerin specification DAB USP 99
 European Chemicals Agency, Database (Last updated 28 Nov 2012)

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are also treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above also of improper compliance with the law norms in the field.

DISCLAIMER OF LIABILITY

The information in this MSDS/SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and

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