



## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/31/2016

Reviewed on 05/31/2016

### \* 1 Identification

- **Product identifier**
- **Trade name: Delicious 3mg**
- **Relevant identified uses of the substance or mixture and uses advised against:**  
For electronic cigarettes only. Not for ingestion.
- **Product description** Liquid for electronic cigarettes
- **Details of the supplier of the safety data sheet:**
- **Manufacturer/Supplier:**  
The Schwartz E Liquid  
1458 E 33rd St  
Signal Hill, CA 90755  
TheSchwartzELiquid.com
- **Emergency telephone number:** 310-956-7476

### \* 2 Hazard(s) identification

- **Classification of the substance or mixture:**



GHS07

Acute Tox. 4      H302 Harmful if swallowed.  
Acute Tox. 4      H312 Harmful in contact with skin.  
Skin Irrit. 2      H315 Causes skin irritation.  
Eye Irrit. 2B      H320 Causes eye irritation.  
Aquatic Chronic 3      H412 Harmful to aquatic life with long lasting effects.

- **Label elements:**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS07

- **Signal word:** Warning
- **Hazard-determining components of labeling:**  
Glycerin  
nicotine
- **Hazard statements:**  
Harmful if swallowed or in contact with skin.  
Causes skin and eye irritation.  
Harmful to aquatic life with long lasting effects.
- **Precautionary statements:**  
Wear protective gloves.  
Wear protective gloves / protective clothing.  
Avoid release to the environment.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.

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If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Rinse mouth.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system:**

**NFPA ratings (scale 0 - 4)**



**HMS-ratings (scale 0 - 4)**



**Hazard(s) not otherwise classified (HNOC):**

Vapor liquids with a nicotine content greater than 0mg and below 10mg are potentially harmful and a nicotine content above 10mg are potentially toxic irrespective of the mixture meeting the de minimus criteria or final ATE calculation criteria under the CLP regulations [Regulation (EC) No. 1272/2008].

### \* 3 Composition/information on ingredients

|                      |        |
|----------------------|--------|
| Food Grade Flavoring | 15-35% |
|----------------------|--------|

**Chemical characterization: Mixtures**

**Description:** Mixture: consisting of the following components.

**Dangerous Components:**

|                                   |   |        |
|-----------------------------------|---|--------|
| CAS: 56-81-5<br>RTECS: MA 8050000 | Glycerin<br>⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2B, H320      | 40-60% |
| CAS: 57-55-6<br>RTECS: TY 2000000 | Propylene Glycol<br>⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320                  | 15-35% |
| CAS: 54-11-5                      | nicotine<br>⚠ Acute Tox. 3, H301; Acute Tox. 1, H310; ⚠ Aquatic Chronic 2, H411 | 1-5%   |

### \* 4 First-aid measures

**Description of first aid measures:**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

**After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

**Information for doctor:**

**Most important symptoms and effects, both acute and delayed:** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed:**  
No further relevant information available.

### \* 5 Fire-fighting measures

- **Extinguishing media:**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture:** Nitrogen oxides. Carbon oxides.
- **Advice for firefighters:**
- **Protective equipment:**  
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

### \* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Dispose of the collected material according to regulations.
- **Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### \* 7 Handling and storage

- **Handling**
- **Precautions for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Do not take internally.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Store in a dry, cool and well ventilated space away from heat and flame.
- **Information about storage in one common storage facility:** See Section 10 (Incompatible materials)
- **Further information about storage conditions:** No further relevant information available..
- **Specific end use(s):** No further relevant information available.

### \* 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

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· **Control parameters:**

|  |   |
|--|---|
| · <b>Components with occupational exposure limits:</b> |   |
| <b>56-81-5 Glycerin</b>                                |   |
| PEL  | Long-term value: 15* 5** mg/m <sup>3</sup><br>mist; *total dust **respirable fraction |
| TLV  | TLV withdrawn-insufficient data human occup. exp.                                     |
| <b>57-55-6 Propylene Glycol</b>                        |   |
| WEEL   | Long-term value: 10 mg/m <sup>3</sup>   |
| <b>54-11-5 nicotine</b>                                |   |
| PEL  | Long-term value: 0.5 mg/m <sup>3</sup><br>Skin  |
| REL  | Long-term value: 0.5 mg/m <sup>3</sup><br>Skin  |
| TLV  | Long-term value: 0.5 mg/m <sup>3</sup><br>Skin  |

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:** Not required.

· **Eye protection:** Not required.

## \* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Liquid  
Color: Clear with a tint of yellow

· **Odor:** Various

· **Odor threshold:** Not determined.

· **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: 185 °C (365 °F)

· **Flash point:** 99 °C (210 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 0 °C (32 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not self-igniting.

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- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower:** 0.0 Vol %
  - Upper:** 12.6 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 0.1 hPa
- **Density:**
  - Relative density:** Not determined.
  - Vapor density:** Not determined.
  - Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
  - Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 80.0 %
  - VOC content:** 20.0 %
- **Other information:** No further relevant information available.

**\* 10 Stability and reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** Strong acids. Oxidizers. Ignition sources. Direct sunlight.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**\* 11 Toxicological information**

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**56-81-5 Glycerin**

|            |               |                       |
|------------|---------------|-----------------------|
| Oral       | LD50          | 12600 mg/kg (rat)     |
| Dermal     | LD50          | >10000 mg/kg (rabbit) |
| Inhalative | LC50/96 hours | >50.000 mg/l (Trout)  |

**57-55-6 Propylene Glycol**

|            |               |                         |
|------------|---------------|-------------------------|
| Oral       | LD50          | 20000 mg/kg (rat)       |
| Dermal     | LD50          | 20800 mg/kg (rabbit)    |
| Inhalative | LC50/96 hours | 52930 mg/l (Pimephales) |
|            | Intravenous   | 6630 mg/kg (mouse)      |
|            |               | 6423 mg/kg (rat)        |
|            |               | 6500 mg/kg (rabbit)     |

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|                         |      |                |
|-------------------------|------|----------------|
| <b>54-11-5 nicotine</b> |      |                |
| Oral                    | LD50 | 50 mg/kg (rat) |
| Dermal                  | LD50 | 50 mg/kg (rat) |

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful  
Irritant

· **Carcinogenic categories:**

|  |
|--|
| · <b>IARC (International Agency for Research on Cancer):</b> |
| None of the ingredients are listed.                          |

|   |
|---|
| · <b>NTP (National Toxicology Program):</b> |
| None of the ingredients are listed.         |

|   |
|---|
| · <b>OSHA-Ca (Occupational Safety &amp; Health Administration):</b> |
| None of the ingredients are listed.                                 |

\* **12 Ecological information**

- **Toxicity:**
- **Aquatic toxicity:**  
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

|                                 |                       |
|---------------------------------|-----------------------|
| <b>57-55-6 Propylene Glycol</b> |                       |
| EC50                            | >10000 mg/l (daphnia) |

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.  
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

\* **13 Disposal considerations**

- **Waste treatment methods:**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## \* 14 Transport information

- **UN-Number:** Non-Regulated Material
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:** Non-Regulated Material
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

## \* 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

56-81-5 Glycerin

57-55-6 Propylene Glycol

54-11-5 nicotine

· **California Proposition 65:**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.



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|  |
|--|
| · <b>TLV (Threshold Limit Value established by ACGIH):</b> |
| None of the ingredients are listed.                        |

|  |
|--|
| · <b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b> |
| None of the ingredients are listed.  |

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



GHS07

· **Signal word:** Warning

· **Hazard-determining components of labeling:**

Glycerin  
nicotine

· **Hazard statements:**

Harmful if swallowed or in contact with skin.  
Causes skin and eye irritation.  
Harmful to aquatic life with long lasting effects.

· **Precautionary statements:**

Wear protective gloves.  
Wear protective gloves / protective clothing.  
Avoid release to the environment.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
Rinse mouth.  
IF ON SKIN: Wash with plenty of water.  
Take off contaminated clothing and wash it before reuse.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

|   |
|---|
| · <b>National regulations:</b>  |
| The product is subject to be classified according with the latest version of the regulations on hazardous substances. |

|                                   |   |        |
|-----------------------------------|---|--------|
| · <b>State Right to Know:</b>     |   |        |
| CAS: 56-81-5<br>RTECS: MA 8050000 | Glycerin<br>⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2B, H320      | 40-60% |
|                                   | Food Grade Flavoring  | 15-35% |
| CAS: 57-55-6<br>RTECS: TY 2000000 | Propylene Glycol<br>⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320                  | 15-35% |
| CAS: 54-11-5                      | nicotine<br>⚠ Acute Tox. 3, H301; Acute Tox. 1, H310; ⚠ Aquatic Chronic 2, H411 | 1-5%   |
| 56-81-5                           | Glycerin  | 60%    |

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- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of preparation / last revision:** 05/31/2016 / 2

- **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 3: Acute toxicity, Hazard Category 3  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Acute Tox. 1: Acute toxicity, Hazard Category 1  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B  
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

- **\* Data compared to the previous version altered.**

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