

Date : 30/04/2018

Version : 1



# SAFETY DATA SHEET

Don Cristo XO Diluted

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** : Don Cristo XO  
**Product code** : Not available.  
**Product description** : Not available.  
**Product type** : Liquid.  
**Other means of identification** : Not available.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** : Liquid to be used in very small volume in E-Cigarettes.

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer** : PGVG Distribution Inc.  
719 Boul. Industriel  
Blainville, QC  
Canada. J7C3V3  
Tel: 1-844-GOOD-VAP  
Site web: [www.pgvg-labs.com](http://www.pgvg-labs.com)  
Email: [order@pgvgdistribution.com](mailto:order@pgvgdistribution.com)  
**e-mail address of person responsible for this SDS** : [order@pgvgdistribution.com](mailto:order@pgvgdistribution.com)

### 1.4 Emergency telephone number

**Emergency telephone number (with hours of operation)** : Not applicable.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**This SDS is strictly written for users of this product in E-Cigarette and in very small volume.**

See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements





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## SECTION 2: Hazards identification

|                                                                                                                                           |                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Signal word</b>                                                                                                                        | : No signal word.                                                                                                                                        |
| <b>Hazard statements</b>                                                                                                                  | : No known significant effects or critical hazards.                                                                                                      |
| <b><u>Precautionary statements</u></b>                                                                                                    |                                                                                                                                                          |
| <b>General</b>                                                                                                                            | : P103 - Read label before use.<br>P102 - Keep out of reach of children.<br>P101 - If medical advice is needed, have product container or label at hand. |
| <b>Prevention</b>                                                                                                                         | : Not applicable.                                                                                                                                        |
| <b>Response</b>                                                                                                                           | : Not applicable.                                                                                                                                        |
| <b>Storage</b>                                                                                                                            | : Not applicable.                                                                                                                                        |
| <b>Disposal</b>                                                                                                                           | : Not applicable.                                                                                                                                        |
| <b>Supplemental label elements</b>                                                                                                        | : Not applicable.                                                                                                                                        |
| <b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b> | : Not applicable.                                                                                                                                        |
| <b><u>Special packaging requirements</u></b>                                                                                              |                                                                                                                                                          |
| <b>Containers to be fitted with child-resistant fastenings</b>                                                                            | : Not applicable.                                                                                                                                        |
| <b>Tactile warning of danger</b>                                                                                                          | : Not applicable.                                                                                                                                        |

### 2.3 Other hazards

|                                                            |               |
|------------------------------------------------------------|---------------|
| <b>Other hazards which do not result in classification</b> | : None known. |
|------------------------------------------------------------|---------------|

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures : Mixture

| Product/ingredient name | Identifiers                                       | %         | Regulation (EC) No. 1272/2008 [CLP] | Type |
|-------------------------|---------------------------------------------------|-----------|-------------------------------------|------|
| Glycerol                | REACH #: Annex V<br>EC: 200-289-5<br>CAS: 56-81-5 | ≥50 - ≤75 | Not classified.                     | [2]  |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

#### Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.





## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Get medical attention if symptoms occur.
- Inhalation** : Get medical attention if symptoms occur.
- Skin contact** : Get medical attention if symptoms occur.
- Ingestion** : Not expected to occur during conditions of normal use. Get medical attention if symptoms occur.
- Protection of first-aiders** : No special protection is required.

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

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

### 4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

### 5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : No specific hazard.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.





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## SECTION 5: Firefighting measures

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : None known.

**For emergency responders** : None known.

**6.2 Environmental precautions** : Not applicable.

### 6.3 Methods and material for containment and cleaning up

**Spill** : Not applicable.

**6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

**Protective measures** : None known.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

### 7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.





## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Glycerol                | <b>DFG MAC-values list (Germany, 7/2015).</b><br>TWA: 200 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction<br>PEAK: 400 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. Form: Inhalable fraction<br><b>TRGS 900 OEL (Germany, 11/2016).</b><br>PEAK: 400 mg/m <sup>3</sup> 15 minutes. Form: Inhalable fraction<br>TWA: 200 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction |

**Recommended monitoring procedures** : Not applicable.

#### DNELs/DMELs

No DNELs/DMELs available.

#### PNECs

No PNECs available.

### 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Individual protection measures

**Hygiene measures** : Not applicable.

**Eye/face protection** : Not applicable.

#### Skin protection

**Hand protection** : Not applicable.

**Body protection** : Not applicable.

**Other skin protection** : Not applicable.

**Respiratory protection** : Not applicable.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Liquid.

**Colour** : Various.

**Odour** : Characteristic.

**Odour threshold** : Not available.

**pH** : Not available.

**Melting point/freezing point** : Not available.

**Initial boiling point and boiling range** : Not available.

**Flash point** : Closed cup: >99°C





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## SECTION 9: Physical and chemical properties

|                                              |                  |
|----------------------------------------------|------------------|
| Evaporation rate                             | : Not available. |
| Flammability (solid, gas)                    | : Not available. |
| Upper/lower flammability or explosive limits | : Not available. |
| Vapour pressure                              | : Not available. |
| Vapour density                               | : Not available. |
| Relative density                             | : Not available. |
| Solubility(ies)                              | : Not available. |
| 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                         | : No specific test data related to reactivity available for this product or its ingredients.           |
| 10.2 Chemical stability                 | : The product is stable.                                                                               |
| 10.3 Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| 10.4 Conditions to avoid                | : No specific data.                                                                                    |
| 10.5 Incompatible materials             | : Reactive or incompatible with the following materials: oxidising materials.                          |
| 10.6 Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

There is no data available.

#### Irritation/Corrosion

There is no data available.

#### Sensitisation

There is no data available.

#### Mutagenicity

There is no data available.

#### Carcinogenicity

There is no data available.





## SECTION 11: Toxicological information

### Reproductive toxicity

There is no data available.

### Teratogenicity

There is no data available.

### Specific target organ toxicity (single exposure)

There is no data available.

### Specific target organ toxicity (repeated exposure)

There is no data available.

### Aspiration hazard

There is no data available.

**Information on likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

**Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

### Potential chronic health effects

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

**Other information** : Not available.





## SECTION 12: Ecological information

### 12.1 Toxicity

There is no data available.

### 12.2 Persistence and degradability

There is no data available.

### 12.3 Bioaccumulative potential

There is no data available.

### 12.4 Mobility in soil

**Soil/water partition coefficient ( $K_{oc}$ )** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.





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## SECTION 14: Transport information

|                                 | ADR/RID        | ADN            | IMDG           | IATA           |
|---------------------------------|----------------|----------------|----------------|----------------|
| 14.1 UN number                  | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name    | -              | -              | -              | -              |
| 14.3 Transport hazard class(es) | -              | -              | -              | -              |
| 14.4 Packing group              | -              | -              | -              | -              |
| 14.5 Environmental hazards      | No.            | No.            | No.            | No.            |

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## SECTION 15: Regulatory information

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

#### EU Regulation (EC) No. 1907/2006 (REACH)

##### Annex XIV - List of substances subject to authorisation

##### Annex XIV

None of the components are listed.

##### Substances of very high concern

None of the components are listed.

**Annex XVII - Restrictions** : Not applicable.  
on the manufacture,  
placing on the market and  
use of certain dangerous  
substances, mixtures and  
articles

##### Other EU regulations

##### Ozone depleting substances (1005/2009/EU)

Not listed.

##### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

##### Seveso Directive

This product is not controlled under the Seveso Directive.

##### National regulations

| Product/ingredient name | List name           | Name on list                 | Classification | Notes |
|-------------------------|---------------------|------------------------------|----------------|-------|
| Glycerol                | DFG MAC-values list | Glycerin; 1,2,3-Propanetriol | Listed         | -     |





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## SECTION 15: Regulatory information

**Storage class (TRGS 510)** : 10  
**Hazard class for water** : 1  
**Technical instruction on air quality control** : TA-Luft Number 5.2.5: 88.5%  
**AOX** : The product does not contain organically bound halogens which could lead to an AOX value in waste water.

**15.2 Chemical safety assessment** : This product contains substances for which Chemical Safety Assessments are still required.

## SECTION 16: Other information

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
DMEL = Derived Minimal Effect Level  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PBT = Persistent, Bioaccumulative and Toxic  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number  
vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification  | Justification |
|-----------------|---------------|
| Not classified. |               |

### Full text of abbreviated H statements

Not applicable.

### Full text of classifications [CLP/GHS]

Not applicable.

### History

**Date of issue (dd/mm/yyyy)** : 30/04/2018  
**Date of previous issue** : Not applicable  
**Version** : 1  
**Prepared by** : KMK Regulatory Services Inc.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

