

**Safety data sheet**  
**complying with Regulation 1907/2006/EC (REACH Regulation),**  
**EU 2020/878 and Regulation No 1272/2008/EC (CLP)**

Printing date 26.09.2023

Version number 1

Revision: 26.09.2023

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** VNV LIQUIDS - CORYLUS**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the mixture:** Concentrated Flavor**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

VnV Liquids

Gounari 21-23, Piraeus

P.O. BOX: 18531

Tel.: +302104310228

info@vnvliquids.gr

http://vnvliquids.gr

G.E.MI number: 164905009000

**1.4 Emergency telephone number:**

European Emergency Tel.: 112

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation EC No 1272/2008 CLP:**

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

**2.2 Label elements****Labelling according to Regulation EC No 1272/2008 CLP:** Void**Hazard pictograms:** Void**Signal word:** Void**Hazard statements:** Void**Additional information:**

EUH208 Contains 4-hydroxy-2,5-dimethylfuran-2(3H)-one. May produce an allergic reaction.

**2.3 Other hazards****Results of PBT and vPvB assessment**

The product does not contain ingredients that are considered either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at a level of 0.1% or higher.

**PBT:** Not applicable.**vPvB:** Not applicable.**Determination of endocrine-disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.



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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

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

#### Ingredients according Regulation (EU) 2020/878:

CAS: 121-33-5 EINECS: 204-465-2 Reg.nr.: 01-2119516040-60-XXXX	vanillin ⚠ Eye Irrit. 2, H319	<1.5%
CAS: 3658-77-3 EINECS: 222-908-8 Reg.nr.: 01-2120754473-52-XXXX	4-hydroxy-2,5-dimethylfuran-2(3H)-one ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317	>0.05-<0.07%

#### SVHC

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No 1907/2006 (REACH), Article 59)

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information:

Take affected persons out into the fresh air.

In case of discomfort call a doctor.

##### After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

Supply fresh air; consult doctor in case of complaints.

##### After skin contact:

Rinse well with soap and water.

In case of discomfort, consult a doctor.

##### After eye contact:

Avoid strong water jet-risk of cornea damage, consult a doctor.

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.

Check for and remove any contact lenses.

Continue to rinse for 15 minutes.

Get medical attention if irritation occurs.

##### After swallowing:

Consult the doctor immediately and show the label or this Safety Data Sheet.

Immediately rinse the mouth with water.

Never give anything by mouth to an unconscious person.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray.

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Use fire extinguishing methods suitable to surrounding conditions.

Foam

Sand or soil

**For safety reasons unsuitable extinguishing agents:** Water jet

**5.2 Special hazards arising from the substance or mixture** No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Wear eye protection.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

## SECTION 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

#### 6.1.1 For non-emergency personnel

Avoid contact with dripping or leaking material

Use personal protective equipment.

#### 6.1.2 For emergency responders

Wear protective equipment. Keep unprotected persons away.

First-aid responders must wear protective clothing, gloves, goggles and respiratory device with filter type A.

**6.2 Environmental precautions:** Prevent the product from entering sewers, rivers or the aquatic environment.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust, silica gel).

### 6.4 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.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation.

Away from food, drinks and animal feed.

Do not eat, drink or smoke when using this product.

Wash your hands thoroughly after handling.

**Information about fire - and explosion protection:** No special measures required.

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

#### Storage:

Store in tightly closed containers, in a cool and dry place with good ventilation.

Store in an upright position.

Protect from heat and direct sunlight.

#### Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store in original container.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

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**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

##### CAS: 57-55-6 Propane-1,2-diol

WEL (Great Britain)	Long-term value: 474* 10** mg/m <sup>3</sup> , 150* ppm *total vapour and particulates **particulates
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##### CAS: 56-81-5 glycerol

WEL (Great Britain)	Long-term value: 10 mg/m <sup>3</sup>
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#### DNELs

Propane-1,2-diol cas number: 57-55-6

Workers (long-term systemic effects), inhalation: 168 mg/m<sup>3</sup>Workers (long-term local effects), inhalation: 10 mg/m<sup>3</sup>General population (long-term systemic effects), inhalation: 50 mg/m<sup>3</sup>

General population (long-term systemic effects), dermal: 213 mg / kg bw / day

General population (long-term systemic effects), oral: 85 mg / kg bw / day

General population (long-term local effects), inhalation: 10 mg/m<sup>3</sup>

#### PNECs

Propane-1,2 -diol cas number: 57-55-6

Fresh water: 260 mg/l

Marine water: 26 mg/l

Intermittent releases: 183 mg/l

STP: 20000 mg/l

Fresh water sediment: 572 mg/kg dw

Marine sediment: 57.2 mg/kg dw

Soil: 50 mg/kg dw

### 8.2 Exposure controls

**8.2.1. Appropriate engineering controls** Provide adequate ventilation.

#### Individual protection measures, such as personal protective equipment

**General protective and hygienic measures:** Wash hands before breaks and at the end of work.

#### Respiratory protection:



In conditions of inadequate ventilation, use an appropriate respirator.

#### Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

#### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

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**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**Eye/face protection**



Goggles recommended during refilling

**Body protection:**



Chemically resistant protective clothing.

**SECTION 9: Physical and chemical properties**

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

**General Information**

<b>Physical state</b>	Liquid
<b>Colour:</b>	Not determined
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined
<b>Flammability</b>	Not applicable
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined
<b>Upper:</b>	Not determined
<b>Flash point:</b>	103 °C (CAS: 57-55-6 Propane-1,2-diol)
	Not Flammable
<b>Auto-ignition temperature:</b>	Not specified
<b>Decomposition temperature:</b>	Not determined
<b>pH</b>	Not determined
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined
<b>Dynamic:</b>	Not determined
<b>Solubility</b>	
<b>water:</b>	Not determined
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Vapour pressure:</b>	Not determined
<b>Density and/or relative density</b>	
<b>Density:</b>	Not determined
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not determined

**9.2 Other information**

**Appearance:**

**Form:** Liquid

**Important information on protection of health and environment, and on safety.**

**Ignition temperature:** Product is not selfigniting.

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<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Solvent content:</b>	
<b>VOC (EC)</b>	0.17-0.58 %
<b>Cloud point / clarification point:</b>	
<b>Oxidising properties</b>	Not oxidising
<b>Evaporation rate</b>	Not determined

**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity** Stable under normal conditions
- 10.2 Chemical stability** Material is stable under normal conditions.
- Thermal decomposition / conditions to be avoided** Stable at environment temperature.
- 10.3 Possibility of hazardous reactions** No dangerous reactions known.
- 10.4 Conditions to avoid** No further relevant information available.
- 10.5 Incompatible materials** Oxidising agents
- 10.6 Hazardous decomposition products** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- Acute toxicity** Based on available data, the classification criteria are not met.
- LD/LC50 values relevant for classification:**
- (CAS: 57-55-6) Propane-1,2-diol
- LD50, oral, rat: 22,000 mg/kg
- LC50 (2h), inhalation, rabbit: >317 mg/L
- LD50, dermal, rabbit: >2,000 mg/kg
- Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- Carcinogenicity** Based on available data, the classification criteria are not met.

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**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

**Additional toxicological information:**

**Repeated dose toxicity** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity:**

Propane-1,2-diol cas number: 57-55-6

LC50 Oncorhynchus mykiss, 96 h: 40.613 mg/l

LC50 Ceriodaphnia dubia, 48 h: 18.340 mg/l

LC50 Mysisidopsis bahia, 96 h: 18.800 mg/l

ErC50 Selenastrum capricornutum, 96 h: 19.000 mg/l

ErC50 Skeletonema costatum, 96 h: 19.100 mg/l

Long-term toxicity to aquatic invertebrates

NOEC (7 days) 13.02 - 29 g/L

Toxicity to microorganisms

EC10 or NOEC for microorganisms 20 g/L

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

The product does not contain ingredients that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative at levels of 0.1% or higher according to REACH, Annex XIII.

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Endocrine disrupting properties**

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

**12.7 Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation**



Dispose according to National Regulations.

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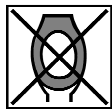
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Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.

**Uncleaned packaging:****Recommendation:**

Disposal must be made according to official regulations.

Packaging may be reused or recycled after cleaning.

**SECTION 14: Transport information****14.1 UN number or ID number**

ADR, IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, IMDG, IATA

Void

**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA

Class

Void

**14.4 Packing group**

ADR, IMDG, IATA

Void

**14.5 Environmental hazards:**

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO**

instruments

Not applicable.

UN "Model Regulation":

Void

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

REACH Regulation 1907/2006/EC

Regulation (EU) 2020/878

CLP Regulation 1272/2008/EC

Directive 98/24/EC on the protection of health and safety of workers from the risks related to chemicals agents at work.

Council Directive 94/33/EC on the protection of young people at work, as ammended.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding, as ammended

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** None of the ingredients is listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

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**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

CAS: 120-57-0 | piperonal | 1

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

CAS: 120-57-0 | piperonal | 1

**National regulations:****Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

It doesn't contain substances of very high concern (SVHC).

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.


H318 Causes serious eye damage.

H319 Causes serious eye irritation.

**Training hints**

Suitable training on safety in handling, storing and converting the product should be given to the employees based on all the existing information.

**Classification according to Regulation (EC) No 1272/2008 -****Department issuing SDS:**

**SUST**  SUSTCHEM S.A.  
**CHEM** REACH & Chemical Services Department  
CONSULTING A: 144, 3rd Septemvriou, GR 112 51 | Athens, Greece  
 T: +30 210 8252510 | F: +30 210 8252575  
 W: www.sustchem.gr | E: info@suschem.gr

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

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SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Corr. 1B: Skin corrosion/irritation – Category 1B  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
Skin Sens. 1A: Skin sensitisation – Category 1A

EN