

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830 - United Kingdom (UK)

## SAFETY DATA SHEET

## **MOCHA FLV LQD 70377105 20KG**

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

#### 1.1 Product identifier

Product name : MOCHA FLV LQD 70377105 20KG

Product code : 20548483
Product description : Not available.
Product type : liquid

Other means of identification : MOCHA FLV LQD 70377105

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

#### **Identified uses**

Flavouring agents, solvents/carriers and/or additives for foodstuffs. For additional information, see technical data sheet.

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

Kerry Ingredients & Flavours Ltd Regulatory Department Global Technology & Innovation Centre Millennium Park - Naas, Co. Kildare IRELAND

+353 (0) 45 930000

e-mail address of person : sds\_eu\_kerry@kerry.com responsible for this SDS

#### National contact

Not available.

#### 1.4 Emergency telephone number

#### National advisory body/Poison Center

**Telephone number** : National Health Service 111 or a doctor

<u>Supplier</u>

**Telephone number** : +353 (0) 45 930000

**Hours of operation** : 08.30 – 17.30 Greenwich Mean Time

**Information limitations** : Not available.

## **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]

Flam. Liq. 3, H226 Eye Irrit. 2, H319

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Ingredients of unknown toxicity**: Percentage of the mixture consisting of ingredient(s) of unknown

toxicity: 26.2 %

Ingredients of unknown ecotoxicity

: Percentage of the mixture consisting of ingredient(s) of unknown

hazards to the aquatic environment: 26.2 %

See Section 16 for the full text of the H statements declared above.

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

#### 2.2 Label elements

Hazard pictograms





Signal word : Warning

**Hazard statements** : Flammable liquid and vapor. Causes serious eye irritation.

#### **Precautionary statements**

**General** : Not applicable.

**Prevention** : Wear protective gloves. Wear eye or face protection. Keep away

from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating,

lighting and all material-handling equipment.

**Response** : IF ON SKIN (or hair): Take off immediately all contaminated

clothing. Rinse skin with water or shower.

Storage : Keep cool.

**Disposal** : Dispose of contents and container in accordance with all local,

regional, national and international regulations.

**Supplemental label elements** : Contains butanedione,

May produce an allergic reaction.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures

and articles

Not applicable.

**Special packaging requirements** 

Containers to be fitted with child-resistant fastenings

Not applicable.

Tactile warning of danger : Not applicable.

#### 2.3 Other hazards

Other hazards which do not result in classification

None known.

## **SECTION 3: Composition/information on ingredients**

3.2 Mixtures : Mixture

			Regulation (EC) No. 1272/2008	
Product/ingredient name	Identifiers	%	[CLP]	Туре
propane-1,2-diol	EC: 200-338-0 CAS: 57-55-6	>= 25 - <= 50	Not classified.	[2]
ethanol	EC: 200-578-6 CAS: 64-17-5 Index: 603-002- 00-5	>= 10 - <= 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319	[1] [2]
vanillin	EC: 204-465-2 CAS: 121-33-5	> 0 - <= 10	Eye Irrit. 2, H319	[1]
furfuryl alcohol	EC: 202-626-1 CAS: 98-00-0 Index: 603-018- 00-2	> 0 - < 1	Acute Tox. 4, H312 Acute Tox. 2, H330 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373	[1]
butanedione	EC: 207-069-8 CAS: 431-03-8	> 0 - <= 0.3	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 3, H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 2, H373 (respiratory tract) (inhalation)	[1]

#### 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

See Section 16 for the full text of the H statements declared above.

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.

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

### **SECTION 4: First aid measures**

#### **4.1** Description of first aid measures

**Eye contact** : 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 at least 10 minutes. Get medical attention.

**Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable

for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash

clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion**: Wash out mouth with water. Remove dentures if any. Remove victim

to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie,

belt or waistband.

Protection of first-aiders : No action shall be taken involving any personal risk or without

suitable training. It may be dangerous to the person providing aid to

give mouth-to-mouth resuscitation.

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

#### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:

pain or irritation watering

redness

**Inhalation** : No specific data.

**Skin contact** : No specific data.

**Ingestion** : No specific data.

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

Notes to physician : Treat symptomatically. Contact poison treatment specialist

immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

## **SECTION 5: Firefighting measures**

#### **5.1** Extinguishing media

**Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

**Unsuitable extinguishing media** : Do not use water jet.

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

Hazards from the substance or mixture

: Flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion 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. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

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

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2** Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to

local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

#### **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**

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

## 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. Remove contaminated clothing and protective equipment before entering eating areas. 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. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

#### **Seveso Directive - Reporting thresholds**

#### Danger criteria

Category	Notification and MAPP threshold	Safety report threshold
P5c: Flammable liquids 2 and 3 not falling under P5a or P5b	5,000 TO	50,000 TO
6: Flammable (R10)	5,000 TO	50,000 TO

#### **7.3** Specific end use(s)

Recommendations Industrial sector specific

solutions

Not available.Not available.

## **SECTION 8: Exposure controls/personal protection**

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### **8.1** Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
ethanol	EH40/2005 WELs (1997-01-01)
	TWA 1,920 mg/m3 1,000 ppm
propane-1,2-diol	EH40/2005 WELs (1997-01-01)
	TWA 474 mg/m3 150 ppm Form: Sum of vapor and particulates
	TWA 10 mg/m3 Form: Particulate matter

## Recommended monitoring procedures

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

No DNELs/DMELs available.

#### **PNECs**

No PNECs available.

#### **8.2** Exposure controls

**Appropriate engineering controls** 

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### **Individual protection measures**

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated

#### **Eye/face protection**

clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### **Skin protection**

#### Hand protection

chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

#### **Body protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product., When there is a risk of ignition from static electricity, wear anti-static protective clothing., For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves., Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

#### Other skin protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### **Respiratory protection**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

#### **Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## **SECTION 9: Physical and chemical properties**

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

#### **Appearance**

Physical state: liquid [liquid]Color: dark brown

Odor
Odor threshold
PH
Not available.

range

Flash point : Closed cup: 34 °C

**Evaporation rate** : Not available. **Flammability (solid, gas)** : Not available.

**Upper/lower flammability or : Lower:** Not available. **explosive limits : Upper:** Not available.

Vapor pressure : Not available.
Vapor density : Not available.
Relative density : 1.0044 @ 20 °C

Solubility(ies) : Not available.

Partition coefficient: n- : Not available.

octanol/water

**Auto-ignition temperature** : Not available. **Decomposition temperature** : Not available.

Viscosity : Dynamic: Not available.
Kinematic: Not available.

**Explosive properties** : Not available. **Oxidizing properties** : Not available.

9.2 Other information

**Solubility in water** : Not available.

No additional information.

## **SECTION 10: Stability and reactivity**

**10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.

no ingredient

**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** : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers

to heat or sources of ignition.

**10.5 Incompatible materials** : Reactive or incompatible with the following materials:

oxidizing 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**

Product/ingredient name	Result	Species	Dose	Exposure
propane-1,2-diol				
	LD50 Oral	Rat	20,000 mg/kg	-
	LD50 Dermal	Rabbit	20,800 mg/kg	-
	LD50 Dermal	Rabbit	20,800 mg/kg	-
ethanol				

	LD50 Oral	Rat	15,010 mg/kg	-
	LD50 Oral	Rat	7,000 mg/kg	-
	LD50 Oral	Rat	7,060 mg/kg	-
	LC50 Inhalation	Rat	20,000 ppm	10 h
	LC50 Inhalation	Rat	5.9 mg/l	6 h
	LC50 Inhalation	Rat	124.7 mg/l	4 h
vanillin				
	LD50 Oral	Rat	1,580 mg/kg	-
	LD50 Oral	Rat	1,580 mg/kg	-
	LD50 Dermal	Rabbit	5,010 mg/kg	-
furfuryl alcohol				
	LD50 Oral	Rat	177 mg/kg	-
	LC50 Inhalation	Rat	233 ppm	4 h
	LD50 Dermal	Rat	3,825 mg/kg	-
	LD50 Dermal	Rabbit	400 mg/kg	-
butanedione				
	LD50 Oral	Rat	1,580 mg/kg	-
	LD50 Oral	Rat	3,000 mg/kg	-
	LD50 Dermal	Rabbit	5,000 mg/kg	-

**Conclusion/Summary** : Not available.

#### **Acute toxicity estimates**

Route	ATE value
Inhalation (vapors)	59.97 mg/l

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ethanol	Eyes -	Rabbit	-		-
	Moderate				
	irritant				
	Skin - Mild	Rabbit	-		-
	irritant				
	Skin -	Rabbit	-	24 hrs	-
	Moderate				
	irritant				
	Eyes -	Rabbit	-		-
	Severe				
	irritant				
	Eyes - Mild	Rabbit	-	24 hrs	-
	irritant				
	Eyes -	Rabbit	-	0.001 hrs	-
	Moderate				
	irritant				
furfuryl alcohol	Eyes -	Rabbit	-	24 hrs	-
	Moderate				
	irritant				
butanedione	Skin -	Rabbit	-	24 hrs	-
	Moderate				
	irritant				

Conclusion/Summary

Skin:Not available.Eyes:Not available.Respiratory:Not available.

#### **Sensitization**

Conclusion/Summary

Skin: Not available.Respiratory: Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

**Conclusion/Summary** : Not available.

**Reproductive toxicity** 

**Conclusion/Summary** : Not available.

**Teratogenicity** 

Conclusion/Summary : Not available.

#### Specific target organ toxicity (single exposure)

Product/ingredient name	Category	Route of exposure	Target organs
furfuryl alcohol	Category 3	Not applicable	Respiratory tract irritation

#### Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
butanedione	Category 2	inhalation	respiratory tract
furfuryl alcohol	Category 2	Not determined	Not determined

#### **Aspiration hazard**

Not available.

**Information on the likely routes** 

of exposure

Not available.

#### Potential acute health effects

**Eye contact** : Causes serious eye irritation.

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** : Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

#### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

#### Long term exposure

**Potential immediate effects** : Not available. **Potential delayed effects** : Not available.

#### Potential chronic health effects

**Conclusion/Summary** : Not available.

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

Product/ingredient name	Result	Species	Exposure
propane-1,2-diol			
	Acute LC50 710,000 μg/l Fresh	Fish - Pimephales promelas	96 h
	water		
	Acute LC50 34,060 mg/l Fresh	Fish - Pimephales promelas	96 h
	water		
	Acute LC50 55,770,000 μg/l	Fish - Pimephales promelas	96 h
	Fresh water		
	Acute LC50 1,020,000 μg/l	Crustaceans - Ceriodaphnia	48 h
	Fresh water	dubia	
	Acute LC50 15,052 mg/l Fresh	Crustaceans - Ceriodaphnia	48 h
	water	dubia	
	Acute LC50 4,919 mg/l Fresh	Crustaceans - Ceriodaphnia	48 h
	water	dubia	
	Acute LC50 5,122 mg/l Fresh	Crustaceans - Ceriodaphnia	48 h
	water	dubia	
	Acute LC50 18,340,000 μg/l	Crustaceans - Ceriodaphnia	48 h
	Fresh water	dubia	
	Acute EC50 > 1,000 mg/l Fresh	Daphnia - Daphnia magna	48 h
	water		
	Acute EC50 > 1,000 mg/l Fresh	Daphnia - Daphnia magna	48 h
	water		
	Acute EC50 > $10,000,000 \mu g/l$	Daphnia - Daphnia magna	48 h
	Fresh water		
	Acute EC50 > 110 mg/l Fresh	Daphnia - Daphnia magna	48 h
	water		
ethanol			
	Acute LC50 13,480,000 μg/l	Fish - Pimephales promelas	96 h
	Fresh water		
	Acute LC50 42,000 µg/l Fresh	Fish - Oncorhynchus mykiss	96 h

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	water Acute LC50 11,000,000 μg/l	Fish - Alburnus alburnus	96 h
	Marine water	1 ish - Albumus albumus	70 11
	Acute EC50 12,900.0 mg/l	Fish - Pimephales promelas	96 h
	Fresh water	F	7
	Acute LC50 12,720 mg/l Fresh	Fish - Pimephales promelas	96 h
	water		
	Acute LC50 25,500 μg/l	Crustaceans - Artemia	48 h
	Marine water	franciscana	
	Acute LC50 6,076,000 μg/l	Crustaceans - Ceriodaphnia	48 h
	Fresh water	dubia	
	Acute LC50 3,715,000 μg/l	Crustaceans - Ceriodaphnia	48 h
	Fresh water	dubia	10.1
	Acute LC50 5,577,000 μg/l	Crustaceans - Ceriodaphnia	48 h
	Fresh water	dubia	40.1
	Acute EC50 1,074 mg/l Fresh	Crustaceans - Cypris	48 h
	water	subglobosa	40 1-
	Acute LC50 5,680 mg/l Fresh water	Daphnia - Daphnia magna	48 h
	Acute EC50 2,000 µg/l Fresh	Daphnia - Daphnia magna	48 h
	water	Dapinna - Dapinna magna	40 11
	Acute LC50 9,248,000 μg/l	Daphnia - Daphnia magna	48 h
	Fresh water	Dapinia Dapinia magna	40 H
	Acute LC50 9,268,000 µg/l	Daphnia - Daphnia magna	48 h
	Fresh water		
	Acute EC50 7,640 mg/l Fresh	Daphnia - Daphnia magna	48 h
	water		
	Acute EC50 17.921 mg/l	Algae - Ulva pertusa	96 h
	Marine water		
	Chronic NOEC 4.995 mg/l	Algae - Ulva pertusa	4 d
	Marine water		
	Chronic NOEC 50 mg/l Marine	Algae - Hormosira banksii	3 d
	water	A1 YY .	4.1
	Chronic NOEC 350 mg/l Fresh	Algae - Heterosigma	4 d
	water	akashiwo	1 1
	Chronic NOEC 14 mg/l Fresh	Algae - Eutreptiella sp.	4 d
	water Chronic NOEC 20 mg/l Fresh	Algae - Prorocentrum	4 d
	water	minimum	4 u
	Chronic NOEC 0.375 mg/l	Fish - Gambusia holbrooki	84 d
	Fresh water	- In Camera Holorooki	
	Chronic NOEC 100 mg/l Fresh	Daphnia - Daphnia magna	21 d
	water	1	
	Chronic NOEC 100 mg/l Fresh	Daphnia - Daphnia magna	21 d
	water		
vanillin			
	Acute LC50 116,000 µg/l Fresh	Fish - Pimephales promelas	96 h
	water		
	Acute LC50 57,000 μg/l Fresh	Fish - Pimephales promelas	96 h
	water		
	Acute LC50 112,000 μg/l Fresh	Fish - Pimephales promelas	96 h
	water		
	Acute LC50 88,000 µg/l Fresh	Fish - Pimephales promelas	96 h
	water	E'd. D'acat. 1	061
	Acute LC50 121,000 µg/l Fresh	Fish - Pimephales promelas	96 h
	water		

**Conclusion/Summary** : Not available.

#### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

#### 12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential	
propane-1,2-diol	-1.069-1.069	-	low	
ethanol	-0.349	-	low	
vanillin	1.21	-	low	
furfuryl alcohol	0.3	-	low	
butanedione	-1.339	-	low	

#### 12.4 Mobility in soil

Soil/water partition coefficient

(KOC)

Not available.

**Mobility** : Not available.

#### 12.5 Results of PBT and vPvB assessment

**PBT** : P: Not available.

B: Not available.T: Not available.

**vPvB** vP: Not available.

vB: Not available.

**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 minimized wherever

possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the

requirements of all authorities with jurisdiction.

Hazardous waste : The classification of the product may meet the criteria for a

hazardous waste.

#### **Packaging**

**Methods of disposal** : The generation of waste should be avoided or minimized 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. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## **SECTION 14: Transport information**

ADR/RID	
UN number	UN1197
UN proper shipping name	EXTRACTS, FLAVOURING, LIQUID
Transport hazard class(es)	3
Packing group	III
Label requirements	3
Environmental hazards	-
Additional information	
Tunnel code: (D/E)(D/E)	
IMDG	
UN number	UN1197
UN proper shipping name	EXTRACTS, FLAVOURING, LIQUID
Transport hazard class(es)	3
Packing group	III
Label requirements	3
Environmental hazards	-
Additional information	EmS,MFAG:: F-E S-D
IATA	
UN number	UN1197
UN proper shipping name	Extracts, flavouring, liquid
Transport hazard class(es)	3
Packing group	III
Label requirements	3
Environmental hazards	-
Additional information	3L

#### 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.

#### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not available.

## **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 authorization

Annex XIV: None of the components are listed.

Substances of very high concern: None of the components are listed.

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

#### Other EU regulations

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

None of the components are listed.

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

None of the components are listed.

#### **Seveso Directive**

This product is controlled under the Seveso Directive.

#### Danger criteria

#### Category

P5c: Flammable liquids 2 and 3 not falling under P5a or P5b 6: Flammable (R10)

#### **National regulations**

#### **International regulations**

#### **Chemical Weapon Convention List Schedules I, II & III Chemicals**

#### **Chemical Weapons Convention List Schedule I Chemicals**

None of the components are listed.

#### **Chemical Weapons Convention List Schedule II Chemicals**

None of the components are listed.

#### **Chemical Weapons Convention List Schedule III Chemicals**

None of the components are listed.

#### Montreal Protocol (Annexes A, B, C, E)

None of the components are listed.

#### **Stockholm Convention on Persistent Organic Pollutants**

#### **Annex A - Elimination - Production**

None of the components are listed.

#### **Annex A - Elimination - Use**

None of the components are listed.

#### **Annex B - Restriction - Production**

None of the components are listed.

#### **Annex B - Restriction - Use**

None of the components are listed.

#### **Annex C - Unintentional - Production**

None of the components are listed.

#### **Rotterdam Convention on Prior Informed Consent (PIC)**

None of the components are listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

#### Heavy metals - Annex 1

None of the components are listed.

#### POPs - Annex 1 - Production

None of the components are listed.

#### POPs - Annex 1 - Use

None of the components are listed.

#### POPs - Annex 2

None of the components are listed.

#### POPs - Annex 3

None of the components are listed.

#### **Inventory list**

Australia: Not determined.Canada: Not determined.China: Not determined.Europe: Not determined.

**Japan inventory (ENCS)**: Not determined.

Japan inventory (ISHL): Not determined.

Malaysia: Not determined.New Zealand: Not determined.Philippines: Not determined.Republic of Korea: Not determined.Taiwan: Not determined.Turkey: Not determined.United States: Not determined.

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]

Flam. Liq. 3, H226	On basis of test data
Eye Irrit. 2, H319	Calculation method

#### Full text of abbreviated H statements

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H373 (inhalation)	May cause damage to organs through prolonged or repeated exposure if inhaled.

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

Flam. Liq. 2, H225	FLAMMABLE LIQUIDS - Category 2
Flam. Liq. 3, H226	FLAMMABLE LIQUIDS - Category 3
Acute Tox. 4, H302	ACUTE TOXICITY (oral) - Category 4
Acute Tox. 4, H312	ACUTE TOXICITY (dermal) - Category 4
Skin Irrit. 2, H315	SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1, H317	SKIN SENSITIZATION - Category 1
Eye Dam. 1, H318	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
Eye Irrit. 2, H319	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2
Acute Tox. 2, H330	ACUTE TOXICITY (inhalation) - Category 2
Acute Tox. 3, H331	ACUTE TOXICITY (inhalation) - Category 3
STOT SE 3, H335	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
	(Respiratory tract irritation) - Category 3
Carc. 2, H351	CARCINOGENICITY - Category 2
STOT RE 2, H373	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) -
	Category 2
STOT RE 2, H373 (inhalation)	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)
	(inhalation) - Category 2

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#### Notice to reader

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## Annex to the extended Safety Data Sheet (eSDS)

#### Identification of the substance or mixture

**Product definition** : Mixture **Code** : 20548483

**Product name** : MOCHA FLV LQD 70377105 20KG