Safety Data Sheet
according to Regulation (EC) No. 1907/2006

Product Name : **Cannabinoide_QTest**

Revised on : 16.06.2022
Version number : 1.1

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

1.1 Product identifier

Product Name:	CANNABINOIDE QTest
Item no.	CANNABINOIDE1234
Registration number (REACH)	not relevant (mixture)
EC number	-
CAS number	-

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

Identified Uses:	Analytical chemistry, substance analysis to identify and quantify the active ingredient THC and CBD, in unknown substances (such as flowers or extracts).

1.3 Details of the supplier providing the safety data sheet

Manufacturer:

Company:	LeadiX GmbH Hans Knöll Street 6 07745 Jena
Phone:	+49 3641/2716023
Email:	info@leadix-company.de

Distributor:

Company:	LeadiX GmbH Hans Knöll Street 6 07745 Jena
Phone:	+49 3641/2716023
Email:	info@leadix-company.de

1.4 Contact point for technical information

Tel. no.

info@leadix-company.de
+49 3641/2716023

1.5 Emergency number

Emergency phone no.

Poison Control Center Munich No. (DE/ENG):
+49 (0)89 19240

SECTION 2: Possible dangers

2.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008

Plastic dropper bottle with green lid (Detection reagent CBD and extraction THC)
>90% isopropanol

Hazard class and hazard category	Hazard warnings
Highly flammable liquid and vapor	H225
Causes severe eye irritation (Eye Irrit. 2)	H319
May cause drowsiness and dizziness	H336

Plastic blister with developing reagent
15% sulfuric acid

Hazard class and hazard category	Hazard warnings
Skin Corrosion/Irritation, Category 1A (Skin Corr. 1A)	H314

All other ingredients are not classified as hazardous substances according to (EC) No. 1272/2008.

2.2 Labeling elements

Regulation (EC) No. 1272/2008

For the CANNABINOIDE-QTest, the following applies according to (EC) No.1272/2008: Reduced labeling of packaging whose contents do not exceed 125 ml:

Pictogram/s and signal word of the product

Signal word: Danger

Hazard warnings

H314:	Causes severe skin burns and eye damage.
H290:	May be corrosive to metals.
H225:	Highly flammable liquid and vapour.
H336:	May cause drowsiness or dizziness.

Safety instructions

P280:	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331:	IF INTOXICATED: Rinse out mouth. DO NOT induce vomiting.
P303 + P361 + P353:	IF IN CONTACT WITH SKIN (or hair): Remove all contaminated clothing immediately. Wash skin with water or shower.
P305 + P351 + P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue rinsing.
P310:	Immediately call POISON CENTER/physician

2.3 Other hazards

No other hazards known. All other components of the kit do not contain any substances to be labeled as hazardous. The kit does not contain any substances assessed as PBT or vPvB.

SECTION 3: Composition/Information on ingredients

3.1 Composition/information on components of the kit

The CANNABINOIDE QTest consists of the following components:

Kit components for a single use in a pressure seal bag:
- Glass jar with lid with solid material (hazardous mixture subject to labeling)
- Plastic blister with developing reagent (hazardous mixture subject to labeling)
- Plastic dropper bottle with green lid for detection of CBD and extraction of THC 2,5ml (hazardous mixture subject to labeling)

Accessories:
- Protective gloves
- calibrated color chart

3.2 Mixtures
Composition according to Regulation (EC) No 1272/2008

Substance name, identifier	Concentration range	Hazard class, hazard category
Isopropanol	>90%	Flam. Liq. 2 (Flammable liquid, Category 2, H225 Eye Irrit. 2 (severe eye irritation, category 2, H319) STOT SE 3 (specific target organ toxicity (single exposure, category 3 (drowsiness and dizziness) H336)
Sulfuric acid CAS No. 7664-93-9	15%	Skin Corr. 1A (Skin Corrosion/Irritation, Category 1A, H314)

No other substances present in concentrations subject to labeling.

SECTION 4: First aid measures

4.1 Description of the first aid measures

General notes:
IF EXPOSED: Call a POISON CENTER/physician immediately. If unconscious and breathing is present, place in recovery position and seek medical advice. Never administer by mouth to an unconscious person or if convulsions occur. Change soiled, soaked clothing. Do not leave affected person unattended. Self-protection of the first aider.

After inhalation:
Remove affected person to fresh air and keep warm and calm. In case of breathing difficulties or respiratory arrest, initiate artificial respiration.

After skin contact:
After contact with skin, wash immediately with plenty of soap and water. Take off immediately all contaminated clothing. Immediate medical attention required as untreated burns will result in wounds that are difficult to heal.

After eye contact:
In case of contact with eyes, rinse immediately with plenty of water for 10 to 15 minutes and seek medical advice. Protect uninjured eye. Remove contact lenses if possible. Continue rinsing.

After ingestion:
Do not induce vomiting. Rinse mouth thoroughly with water. Do not give anything to eat or drink.

Self-protection of the first aider
First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indications for immediate medical help or special treatment

Treat symptomatically

SECTION 5: Fire fighting measures

5.1 Extinguishing agent

Suitable extinguishing agents
Extinguishing powder, carbon dioxide (CO2), water spray, alcohol-resistant foam

Unsuitable extinguishing agents
No restriction

5.2 Special hazards arising from the substance or mixture

unknown

5.3 Advice for fire fighting

Stay in the danger zone only with self-contained breathing apparatus. Skin contact
avoid by keeping a safe distance or wearing suitable protective clothing (chemical protective suit).

5.4 Additional notes

Do not allow extinguishing water to reach sewers and bodies of water.
Do not inhale explosion and fire gases.
In case of fire: Clear the surrounding area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and procedures to be used in case of emergency

Note for personnel not trained for emergencies:
Remove unprotected persons from source of exposure. Avoid contact with skin and eyes. Use universal precautions during clean-up procedures.

6.2 Environmental protection measures

Do not allow to enter the ground/soil. Do not allow to enter drains or water courses.

6.3 Methods and material for retention and cleaning

Cover the drains. Never return spilled product to the original container for recycling. Thoroughly clean contaminated objects and floor in compliance with environmental regulations. Absorb with inert absorbent and place in suitable containers for disposal.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal information: see section 13.

SECTION 7: Handling and storage

7.1 Protective measures for safe handling

Notes on safe handling

Open and handle container with care. Clean contaminated surfaces thoroughly.
Wash hands before breaks and at the end of work. From food, beverages and feed keep away.
Avoid inhalation.
Avoid contact with eyes and skin.
Use fume cupboard (laboratory)
Keep away from combustible materials.
Avoid dust accumulation.
Disposal according to the applicable regulations.

7.2 Conditions for safe storage taking into account incompatibilities

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.
Keep container tightly closed.
Leave in packaging when not in use.
Keep away from children.

When stored properly (protected from light and temperature effects above 25°C), the use-by date indicated on the packaging applies.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2, no other specific
Uses provided.

SECTION 8: Exposure controls/personal protective equipment

8.1 Parameters to be monitored

Ingredient	Legal regulation	Country	Limit value	Comment
Isopropanol CAS NO. 67-63-0			500 mg/m³	
Sulfuric acid CAS No. 7664-93-9	TRGS 900: AGW	EN	0.1 mg/m³ (1.2)	(1) 15 minutes duration, mean value (2) An instantaneous value of 0.2 mg/m³ should not be exceeded; inhalable aerosol
Sulfuric acid CAS No. 7664-93-9	2009/ 161/EU: IOELV	EU	0.05 mg/m³	

8.2 Exposure controls / Personal protective equipment

Suitable technical control equipment
Eye showers and emergency showers should be available in close proximity to potential exposure.Keep concentrations/amounts as low as possible.

Personal protective equipment
Wear suitable protective clothing when working. When handling chemical agents, only chemical protective clothing with a CE mark including a four-digit test number may be worn.

Eye/face protection
Frame goggles with side protection DIN/EN standards: DIN EN 166

Skin protection
When handling chemical agents, only chemical protective gloves with CE marking including four-digit test number may be worn. Recommended glove brands DIN/EN standards EN ISO 374.Check for tightness/impermeability before use.

For brief hand contact

Suitable material:	CR (polychloroprene, chloroprene rubber)
Thickness of the glove material:	0.75 mm
Penetration time (maximum wearing time):	120-240 min

With more frequent hand contact

Suitable material:	Butyl rubber/FKM (fluororubber)
Thickness of the glove material:	0.70 mm
Penetration time (maximum wearing time):	> 480 min

Include recovery phases to regenerate the skin. Preventive skin protection (protective creams/ointments) is recommended.

Respiratory protection

Respiratory protection is required in case of: Aerosol or mist formation

Suitable respirator: Filtering half mask (DIN EN 149)
Suitable material: P3

Additional notes

Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. Do not eat, drink or smoke while working. Provide eyebrows and conspicuously mark their location.

Environmental exposure controls and monitoring

Prevent seepage into drains or surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Potassium hydroxide

		Parameter	Value	Comment
	a)	State of aggregation	fixed	Mixture is present as a liquid.
	b)	Color	transparent	
	c)	Smell	-	No data available
	d)	Melting point/freezing point	360°C	
	e)	Boiling point or initial boiling point and boiling range	1.327°C	
	f)	Flammability	-	inapplicable
	g)	Lower explosion limit Upper explosion limit	-	No data available
	h)	Flash point	-	Not applicable
	i)	Ignition temperature	-	Not applicable
	j)	Decomposition temperature	-	No data available
	k)	pH value	14 in 50 g/l water at 20°C	
	l)	Kinematic viscosity	-	No data available
	m)	Solubility	1,120 g/l at 20 °C	Mixture is completely soluble in water
	n)	Partition coefficient n-octanol/water (log value)	-	Not applicable
	o)	Vapor pressure	0hPa at 20°C 0.13 hPa at 611°C	No data available
	p)	Density and/or specific gravity	2.04 g/cm³	
	q)	Relative vapor density		No data available
	r)	Particle properties		Not applicable

Isopropanol

		Parameter	Value	Comment
	a)	State of aggregation	liquid	Mixture is present as a liquid.
	b)	Color	transparent	
	c)	Smell	characteris-tic	
	d)	Melting point/freezing point	-89°C	
	e)	Boiling point or initial boiling point and boiling range	82°C at 1,013 hPa	
	f)	Flammability	-	inapplicable
	g)	Lower explosion limit Upper explosion limit	2.5% by volume	
	h)	Flash point	12°C	
	i)	Ignition temperature	425°C	
	j)	Decomposition temperature	-	No data available
	k)	pH value		No data available
	l)	Kinematic viscosity	-	No data available
	m)	Solubility		Mixable in any ratio
	n)	Partition coefficient n-octanol/water (log value)	0.05 at 25 °C	
	o)	Vapor pressure	42 hPa at 20°C 60.2 hPa at 25°C	
	p)	Density and/or specific gravity	0.785 g/cm³ at 20°C	
	q)	Relative vapor density		No data available
	r)	Particle properties		Not applicable

Sulfuric acid

		Parameter	Value	Comment
	a)	State of aggregation	liquid	Mixture is present as a liquid.
	b)	Color	light yellow, transparent	
	c)	Smell	-	No data available
	d)	Melting point/freezing point	-	No data available
	e)	Boiling point or initial boiling point and boiling range	-	No data available
	f)	Flammability	-	inapplicable
	g)	Lower explosion limit Upper explosion limit	-	No data available
	h)	Flash point	-	Not applicable
	i)	Ignition temperature	-	Not applicable
	j)	Decomposition temperature	-	No data available
	k)	pH value	<1	
	l)	Kinematic viscosity	-	No data available
	m)	Solubility	Soluble (20°)	Mixture is completely soluble in water
	n)	Partition coefficient n-octanol/water (log value)	-	Not applicable

	o)	Vapor pressure	-	No data available
	p)	Density and/or specific gravity	~1.3 g/cm³ at 20 °C	
	q)	Relative vapor density		No data available
	r)	Particle properties		Not applicable

Fast Blue BB Salt hemi(zincchloride) salt

		Parameter	**Value**	**Comment**
	a)	State of aggregation	fixed	
	b)	Color	greenish	
	c)	Smell	phenolic	
	d)	Melting point/freezing point	-	No data available
	e)	Boiling point or initial boiling point and boiling range	-	No data available
	f)	Flammability	-	No data available
	g)	Lower explosion limit Upper explosion limit	-	No data available
	h)	Flash point	-	No data available
	i)	Ignition temperature	-	No data available
	j)	Decomposition temperature	-	No data available
	k)	pH value	4,2	
	l)	Kinematic viscosity	-	No data available
	m)	Solubility	400g/l at 20°	
	n)	Partition coefficient n-octanol/water (log value)	-	Not applicable
	o)	Vapor pressure	-	No data available
	p)	Density and/or specific gravity		
	q)	Relative vapor density		No data available
	r)	Particle properties		Not applicable

9.2 Other information
In general: plastic and paper components combustible in open fire.
No other safety-related data applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

The material is suitable for use under normal ambient conditions and under the conditions specified during storage and handling.
stable under the expected temperature and pressure conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Humidity
May discolor under the influence of air and light.
Strong heating.

10.5 Incompatible materials

Animal and plant tissue, metals

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological data

Exclusively for the contents of the crimped glass vessel (detection reagent):

11.1 Information on hazard classes within the meaning of Regulation (EC) No 1272/2008

Direct contact with the solutions should be avoided.

Acute toxicity

Solutions: Vial: LD50 rat: 5045 mg/kg (isopropanol), corrosivity of the oral cavity and pharynx and risk of perforation of the esophagus and stomach (KOH); ampoule with solid: LD50 rat: 500.1 mg/kg; BFS ampoule: LD50 rat: 2140 mg/kg (sulfuric acid).

Caustic/irritant effect:

Vial and BFS Ampoule: H314: Causes severe skin burns and eye damage.

Serious eye damage/irritation

Vial and BFS Ampoule: H314: Causes severe skin burns and eye damage.

Sensitization of the respiratory tract/skin

No data available

Germ cell mutagenicity
No data available

Carcinogenicity
No data available

Reproductive toxicity
No data available

Specific target organ toxicity at single exposure
Vial: H336: May cause drowsiness and dizziness. (Hazard and safety phrases not necessary as contents ≤125ml).

Specific target organ toxicity repeated exposure
No data available

Aspiration hazard
No data available

Quantitative data on the toxicity of this product in the present dilution are not available. Hazardous properties cannot be excluded, but are unlikely if used properly. The product should be handled with the usual caution for chemicals. If necessary, observe the specified H-phrases (sections 2, 3).

SECTION 12: Environmental information
Exclusively for the contents of the crimped glass vessel (detection reagent):

12.1 Toxicity

Constituents that may contribute to **acute water hazard:**
There are no relevant ingredients in the mixture.
The mixture is classified as Hazardous to the aquatic environment: Acute Not classified.

Constituents that may contribute to **chronic water pollution.**
There are no relevant ingredients in the mixture.
The mixture is classified as Hazardous to the aquatic environment: Chronic Not classified.

According to 1272/2008/EC: Is not to be classified as hazardous to the aquatic environment.
Ordinance on Installations for Handling Substances Hazardous to Water (AwSV):
WGK 1, slightly hazardous to water (Germany)

Constituents that can contribute to **ozone layer depletion.**
There are no relevant ingredients in the mixture.
The mixture is not classified in The ozone layer depleting.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Not sufficient information available for assessment. To our knowledge this preparation contains no amounts of substances regarded as persistent, bioaccumulative and toxic (PBT) or substances that are considered to be very persistent and very bioaccumulative (vPvB) that need to be declared.

12.6 Endocrine disrupting properties

No data available.

SECTION 13: Notes on disposal

Exclusively for the contents of the crimped glass vessel (detection reagent):

13.1 Waste treatment process

Proper disposal / product
This product and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations. Contact the appropriate licensed waste disposal contractor for waste disposal. Do not allow to enter drains.

Proper disposal / packaging
Dispose of in accordance with official regulations. Contaminated packaging must be treated in the same way as the substance.

SECTION 14: Transport details

Exclusively for the contents of the crimped glass vessel (detection reagent):

14.1 UN number or ID number

14.2 UN proper shipping name

14.3 Transport hazard classes

14.4 Packing group

14.5 Environmental hazards

Not dangerous for the environment according to dangerous goods regulations.

14.6 Special precautions for the user

see sections 6 - 8

14.7 Carriage of bulk cargoes by sea in accordance with IMO instruments

The cargo is not transported in bulk.

SECTION 15: Legislation

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

EU regulations

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006

Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

National regulations

Water hazard class
Water hazard class (WGK): 1 (slightly hazardous for water)

Reference to Technical Rules for Hazardous Substances (TRGS)
Storage of hazardous substances in portable containers (TRGS 510) (Germany):
Storage class (LGK): 8B (non-flammable corrosive hazardous materials (except metal corrosive only)).

Other information
Directive 94/33/EC on the protection of young people at work. Observe employment restrictions according to the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for this mixture

SECTION 16: Other information

Legend

AGS - Committee for Hazardous Substances
CLP - Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DFG - German Research Foundation
Gestis - Hazardous Substances Information System of the German Social Accident Insurance
PBT - Persistent, Bioaccumulative and Toxic
vPvB - Highly persistent, highly bioaccumulative (very Persistent, very Bioaccumulative)
ACGIH - American Conference of Governmental Industrial Hygiensts
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA-DGR - International Air Transport Association-Dangerous Goods Regulations
ICAO-TI - International Civil Aviation Organization-Technical Instructions
IMDG - International Maritime Code for Dangerous Goods
LTV - Long Term Value
NIOSH - National Institute for Occupational Safety and Health
OSHA - Occupational Safety & Health Administration
RID - Regulation concerning the International Carriage of Dangerous Goods by Rail
STV - Short Term Value
SVHC - Substances of Very High Concern

List of hazard statements that have not been fully written out in Sections 2 through 15.

H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.
H318: Causes serious eye damage.

Disclaimer
The information provided is based on our current knowledge. This SDS has been compiled and is intended solely for this product.