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

1.1 Product identifiers

Product name	THC Quick Test
Product contents	1 x 60 mL 70% Isopropanol - **Extraction Solution**
	3 x 5 mg Fast Blue BB Salt hemi(zinc chloride) salt - **Yellow Assay Tubes**
	3 x 5 mg Fast Corinth V zinc chloride double salt - **Red Assay Tubes**

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

Relevant identified uses	Product for analytical use

1.3 Details of the supplier of the safety data sheet

Company	Plantchek
E-mail	contact@plantchek.com

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

70% Isopropanol	Flammable liquids (Category 2), H225
	Eye irritation (Category 2A), H319
	Specific target organ toxicity - single exposure (Category 3), Central nervous system, H336
Fast Blue	Acute toxicity, Oral (Category 4), H302
Fast Corinth	Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

70% Isopropanol

Pictogram

Signal word	Danger
Hazard statement(s)	
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
Precautionary statement(s)	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.

P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.
Fast Blue	
Pictogram	
Signal word	Warning
Hazard statement(s)	
H302	Harmful if swallowed.
Precautionary statement(s)	
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P501	Dispose of contents/container to an approved waste disposal plant.
Fast Corinth	Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

70% Isopropanol	May form explosive peroxides.
Fast Blue & Fast Corinth	None

SECTION 3: Composition/information on ingredients

3.1 Substances

Fast Blue BB Salt hemi(zinc chloride) salt

Synonyms	4-Benzoylamino-2,5-diethoxybenzenediazonium chloridehemi(zinc chloride) salt 4-Amino-2,5-diethoxybenzanilide diazotatedzinc double salt
Formula	$C_{17}H_{18}ClN_3O_3 \cdot 0.5ZnCl_2$
Molecular weight	415.94 g/mol
CAS-No.	5486-84-0

Component	Classification	Concentration (weight percent)
4-(Benzoylamino)-2,5-diethoxybenzenediazonium tetrachlorozincate	Acute Tox. 4; H302	≤100%

Fast Corinth V zinc chloride double salt

Synonyms	Azoic Diazo No. 39 Azoic Diazo Component 39
Formula	$C_{15}H_{14}N_5O_3 \cdot 0.5Cl_4Zn$
Molecular weight	415.90 g/mol
CAS-No.	61966-14-1

Component	Classification	Concentration (weight percent)
2-Methoxy-5-methyl-4-[(4-methyl-2-nitrophenyl)azo]benzenediazonium tetrachlorozincate (2:1)	Acute Tox. 4; Carc. 1B; H302, H332, H312, H350	≤100%

3.2 Mixtures

70% Isopropanol

Synonyms	2-Propanol solution IPA Isopropyl alcohol
Molecular weight	60.10 g/mol

Component		Classification	Concentration (weight percent)
2-Propanol		Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3; H225, H319, H336 Concentration limits: ≥20 %: STOT SE 3, H336	≥60 - <80%
CAS-No.	67-63-0		

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

All reagents	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

70% Isopropanol	After inhalation: fresh air. Call in physician.
Fast Blue & Fast Corinth	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

70% Isopropanol	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower.
Fast Blue & Fast Corinth	Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

70% Isopropanol	After eye contact: rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
Fast Blue & Fast Corinth	Flush eyes with water as a precaution.

If swallowed

70% Isopropanol	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
Fast Blue & Fast Corinth	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

All reagents	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

All reagents	No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

70% Isopropanol	Foam carbon dioxide (CO2); dry powder
Fast Blue & Fast Corinth	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

70% Isopropanol	Carbon oxides. Mixture with combustible ingredients. Pay attention to flashback. Vapors are heavier than air and may spread along floors. Risk of dust explosion. Development of hazardous combustion gases or vapours possible in the event of fire. Forms explosive mixtures with air at ambient temperatures.
Fast Blue & Fast Corinth	Carbon oxides, nitrogen oxides (NOx), hydrogen chloride gas, zinc/zinc oxides

5.3 Advice for firefighters

70% Isopropanol	In the event of fire, wear self-contained breathing apparatus.
Fast Blue & Fast Corinth	Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Additional Information

70% Isopropanol	Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.
Fast Blue & Fast Corinth	No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

70% Isopropanol	Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Keep away from heat and sources of ignition. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Fast Blue	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.
Fast Corinth	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

70% Isopropanol	Do not let product enter drains. Risk of explosion.
Fast Blue	Do not let product enter drains.
Fast Corinth	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

70% Isopropanol	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g., Chemizorb®). Dispose of properly. Clean up affected area.
Fast Blue & Fast Corinth	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

All reagents	For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

70% Isopropanol	Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Change contaminated clothing. Wash hands after working with substance. For precautions see section 2.2.
Fast Blue & Fast Corinth	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

70% Isopropanol	Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Storage class (TRGS 510): 3: Flammable liquids
Fast Blue	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature -20 °C Light sensitive. Keep in a dry place. Storage class (TRGS 510): 11: Combustible Solids
Fast Corinth	Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): 6.1D: Non-combustible, acute toxic Cat.3/toxic hazardous materials or hazardous materials causing chronic effects

7.3 Specific end use(s)

All reagents	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

70% Isopropanol

Components	CAS-No.	Value	Control parameters	Basis
2-Propanol	67-63-0	TWAEV	400 ppm 983 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	200 ppm	Canada. British Columbia OEL
		STEL	400 ppm	Canada. British Columbia OEL
		STEL	400 ppm 984 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TWA	200 ppm 492 mg/m3	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		STEV	500 ppm 1,230 mg/m3	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	200 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	400 ppm	USA. ACGIH Threshold Limit Values (TLV)

Fast Blue N/A

Fast Corinth N/A

8.2 Exposure controls

Appropriate engineering controls

70% Isopropanol	Change contaminated clothing. Wash hands after working with substance.

Fast Blue	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Fast Corinth	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

70% Isopropanol	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Fast Blue & Fast Corinth	Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

All reagents	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

70% Isopropanol	Flame retardant antistatic protective clothing.
Fast Blue & Fast Corinth	Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

70% Isopropanol	Required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.
Fast Blue	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Fast Corinth	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

70% Isopropanol	Do not let product enter drains. Risk of explosion.
Fast Blue	Do not let product enter drains.

Fast Corinth	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

70% Isopropanol

Appearance	Form: liquid Colour: colourless
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	80.9 - 83.2 °C 177.6 - 181.8 °F
Flash point	22.2 °C (72.0 °F) - closed cup
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	0.858 g/cm3
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	Not classified as explosive.
Oxidizing properties	None

Fast Blue BB Salt hemi(zinc chloride) salt

Appearance	Form: powder
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	Melting point/range: 157 °C (315 °F)

Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Fast Corinth V zinc chloride double salt

Appearance	Form: solid
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	Melting point/range: 147 °C (297 °F) - dec.
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available

Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other safety information

All reagents	No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

70% Isopropanol	Vapors may form explosive mixture with air.
Fast Blue & Fast Corinth	No data available

10.2 Chemical stability

70% Isopropanol	Reacts with air to form peroxides. The product is chemically stable under standard ambient conditions (room temperature).
Fast Blue & Fast Corinth	Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

All reagents	No data available

10.4 Conditions to avoid

70% Isopropanol	Warming.
Fast Blue & Fast Corinth	No data available

10.5 Incompatible materials

70% Isopropanol	Aluminum, acids, oxidizing agents, halogenated compounds, acid anhydrides
Fast Blue & Fast Corinth	Strong oxidizing agents, strong bases

10.6 Hazardous decomposition products

70% Isopropanol	In the event of fire: see section 5
Fast Blue & Fast Corinth	Hazardous decomposition products formed under fire conditions: carbon oxides, nitrogen oxides (NOx), hydrogen chloride gas, zinc/zinc oxides. Other decomposition products: no data available. In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

70% Isopropanol	Oral: No data available. Acute toxicity estimate Inhalation - 4 h - > 40 mg/l (Calculation method) Symptoms: possible symptoms: mucosal irritations. Dermal: No data available
Fast Blue & Fast Corinth	No data available

Skin corrosion/irritation

All reagents	No data available

Serious eye damage/eye irritation

70% Isopropanol	Mixture causes serious eye irritation.
Fast Blue & Fast Corinth	No data available

Respiratory or skin sensitisation

All reagents	No data available

Germ cell mutagenicity

All reagents	No data available

Carcinogenicity

All reagents	IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
	ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity

All reagents	No data available

Specific target organ toxicity - single exposure

70% Isopropanol	Mixture may cause drowsiness or dizziness.
Fast Blue & Fast Corinth	No data available

Specific target organ toxicity - repeated exposure

All reagents	No data available

Aspiration hazard

All reagents	No data available

Additional Information

70% Isopropanol	Central nervous system depression, prolonged or repeated exposure can cause: nausea, headache, vomiting, narcosis, drowsiness. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.
Fast Blue & Fast Corinth	No data available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

All reagents	No data available

12.2 Persistence and degradability

All reagents	No data available

12.3 Bioaccumulative potential

All reagents	No data available

12.4 Mobility in soil

All reagents	No data available

12.5 Results of PBT and vPvB assessment

All reagents	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

All reagents	No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

70% Isopropanol	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
Fast Blue	Offer surplus and non-recyclable solutions to a licensed disposal company.
Fast Corinth	Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

All reagents	Dispose of as unused product.

SECTION 14: Transport information

70% Isopropanol

TDG

UN number: 1219 Class: 3 Packing group: II

Proper shipping name: ISOPROPANOL

Labels: 3

ERG Code: 129

Marine pollutant: no

IMDG

UN number: 1219 Class: 3 Packing group: II EMS-No: F-E, S-D

Proper shipping name: ISOPROPANOL

IATA

UN number: 1219 Class: 3 Packing group: II

Proper shipping name: Isopropanol

Fast Blue & Fast Corinth	**DOT (US)** Not dangerous goods **IMDG** Not dangerous goods **IATA** Not dangerous goods

SECTION 15: Regulatory Information

All reagents	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

SECTION 16: Other Information

All reagents	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

END OF DOCUMENT