## 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<br>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<br>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<br>IPA<br>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.<br>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<br>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<br>984 mg/m3 | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
| | | TWA | 200 ppm<br>492 mg/m3 | Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
| | | STEV | 500 ppm<br>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<br>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)**<br>Not dangerous goods<br>**IMDG**<br>Not dangerous goods<br>**IATA**<br>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