



TRACE EYE-D® SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade Name	Cocaine Detection Wipe
REACH Substance Name	Mixture
REACH Registration Number	Mixture
SDS Date	30 July 2021

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use:	Security Screening Product
Uses Advised Against:	All other uses

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer:	Trace Eye-D 573 Interstate Blvd. Sarasota, FL 34240 USA 941.926.5045
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Email:	info@traceeyed.com
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1.4 Emergency Telephone Number: 1(866)TRACE91(872-2391) to contact Trace Eye-D

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

This product consists of a sachet containing 1 mL of solution completely absorbed on a polypropylene/cellulose wipe. There is no free liquid in the sachet.

CLP/GHS Classification (1272/2008): Carcinogen Category 2 (H351)
Toxic to Reproduction Category 2 (H361)
Specific Target Organ Toxicity Repeated Exposure Category 1 (H372)
Hazardous to the Aquatic Environment
- Long-Term Hazard Category 3 (H412)

2.2 Label Elements:

DANGER



Hazard statement(s)

- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child.
- H372 Causes damage to kidneys and liver through prolonged or repeated inhalation.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statement(s)

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe vapors.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P273 Avoid release to the environment.
- P280 Wear eye protection and protective gloves.
- P308 + P313 IF exposed or concerned: Get medical attention.
- P405 Store locked up.
- P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None known.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

This product consists of a sachet containing 1 mL of solution completely absorbed on a polypropylene/cellulose wipe. The following information refers to the solution.

3.2 Mixture

Chemical Name	CAS Number / EINECS Number / REACH Reg. Number	% (w/w)	CLP/GHS Classification (1272/2008)
Glycerin	56-81-5 200-289-5	45-55	Not classified as hazardous
Acetic Acid	64-19-7 200-580-7	1-<5	Flammable Liquid Cat. 3 (H226) Skin Corrosive Cat. 1A (H314) Eye Damage Cat. 1 (H318)
Chloroform	67-66-3 200-663-8	1-<5	Acute Toxicity Cat. 3 (H331) Acute Toxicity Cat. 4 (H302) STOT SE Cat. 3 (H336) STOT RE Cat. 1 (H372) Carcinogen Cat. 2 (H351) Reproductive Toxicity Cat. 2 (H361)
Cobalt Thiocyanate	3017-60-5 221-156-8	<1%	Acute Toxicity Cat. 4 (H302, H312, H332) Skin Irritation Cat. 2 (H315) Eye Irritation Cat. 2 (H319) Carcinogen Cat. 2 (H351) Aquatic Acute Toxicity Cat. 1 (H400) Aquatic Chronic Toxicity Cat. 1 (H410)

The specific chemical identity and/or exact percent is a trade secret.
See Section 16 for full text of GHS hazard phrases.

SECTION 4. FIRST-AID MEASURES

4.1 Description of First Aid Measures

First Aid

Eye contact: Flush eyes with water for several minutes while lifting the upper and lower lids. Get medical attention if irritation persists.

Skin contact: Wash skin with soap and water. Get medical attention if irritation or symptoms develop or persist.

Inhalation: Remove person to fresh air. If irritation or other symptoms persist, get medical attention.

Ingestion: Ingestion is unlikely due to product form. In the case of accidental ingestion, do not induce vomiting unless directed to do so by medical personnel. Rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention.

See Section 11 for more detailed information on health effects.

4.2 Most important symptoms and effects, both acute and delayed: Inhalation of vapors may cause central nervous system effects such as drowsiness, dizziness, and unconsciousness. May cause mild eye and skin irritation. Suspected of damaging the unborn child. Suspected of causing cancer. Causes damage to kidneys and liver through prolonged or repeated inhalation.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is not expected.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Use media suitable to surrounding fire.

5.2 Special Hazards Arising from the Substance or Mixture

Fire and Explosion Hazards: Not classified as flammable or combustible but will burn under fore conditions.

Combustion Products: Oxides of carbon, cobalt oxides, sulfur oxides, chlorine, and HCL.

5.3 Advice for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

If sachets are damaged, wear suitable protective clothing. Ventilate the area.

6.2 Environmental Precautions:

Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations.

6.3 Methods and Material for Containment and Cleaning Up:

If sachets are damaged, carefully collect. Place in a suitable container for disposal. Clean spill area.

6.4 Reference to Other Sections:

Refer to Section 8 for personal protective equipment, and Section 13 for disposal information.

SECTION 7. HANDLING AND STORAGE
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7.1 Precautions for Safe Handling:

Do not breathe vapors. Avoid eye contact. Avoid prolonged or repeated skin contact. Impervious gloves are recommended when using product. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use.

7.2 Conditions for Safe Storage, Including any Incompatibilities:

Store as indicated on product packaging in a secure location. Protect containers from physical damage. Store in a cool area.

7.3 Specific end use(s):

Industrial uses: None

Professional uses: Security screening product

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters:

Chemical Name	EU IOEL	Member State OEL	US OEL
Glycerin	None Established	10 mg/m ³ TWA, Belgium, Ireland, Spain, UK 200 mg/m ³ TWA, 400 mg/m ³ STEL German MAK	15 mg/m ³ TWA OSHA PEL (Total dust) 15 mg/m ³ TWA OSHA PEL (inhalable)
Acetic Acid	10 ppm TWA 20 ppm STEL	10 ppm TWA, 20 ppm STEL, Austria, Denmark, France, Germany, Ireland, Spain, UK 10 ppm TWA, 15 ppm STEL Belgium 5 ppm TWA, 10 ppm STEL Sweden	10 ppm TWA OSHA PEL 10 ppm TWA, 15 ppm STEL ACGIH TLV
Chloroform	2 ppm TWA	2 ppm TWA Austria, Belgium, France, Ireland, Spain, UK 2 ppm TWA, 4 ppm STEL Denmark, 0.5 ppm TWA, 1 ppm STEL Germany 2 ppm TWA, 5 ppm STEL Sweden	50 ppm Ceiling OSHA PEL 10 ppm TWA ACGIH TLV
Cobalt Thiocyanate (as Cobalt and its compounds)	None Established	0.02 mg/m ³ TWA Belgium, Ireland, Spain 0.1 mg/m ³ TWA UK 0.005 mg/m ³ TWA, 0.04 mg/m ³ STEL German MAK 0.1 mg/m ³ TWA, 0.4 mg/m ³ STEL Austria 0.01 mg/m ³ TWA, 0.02 mg/m ³ STEL Denmark,	0.01 mg/m ³ TWA OSHA PEL (Inhalable) 0.1 mg/m ³ TWA ACGIH TLV (Metal dust and fume)

Refer to local or national regulations for exposure limits not listed above.

8.2 Exposure Controls:

Recommended Monitoring Procedures: Contact a qualified industrial hygienist for monitoring if needed.

Appropriate Engineering Controls: Use with adequate ventilation to maintain exposure levels below the exposure limits listed above. No special ventilation should be required for normal use.

Personal Protective Measures

Eye/Face Protection: Chemical safety goggles recommended if needed to avoid eye contact during use and spill clean-up.

Skin Protection: Impervious clothing is recommended if needed to avoid skin contact during bulk processing and spill clean-up.

Hands: Impervious gloves recommended.

Respiratory Protection: None required for normal use.

Other protection: Suitable eye and skin washing facilities should be available in the work area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties – this product consists of a plastic laminate sachet containing a liquid saturated on a polypropylene/cellulose wipe. The information below refers to the liquid.

Appearance: Liquid	Odor: sweetish
Odor Threshold: Not established	pH: Not established
Melting/Freezing Point: Not established	Boiling Point: Not established
Flash Point: Not established	Evaporation Rate: Not established
Lower Flammability Limit: Not applicable Upper Flammability Limit: Not applicable	Vapor Pressure: Not established
Flammability (gas, solid): Not applicable	
Vapor Density(Air=1): 1.49 (Chloroform)	Relative Density: 1.17
Solubility: Soluble in water	Octanol/Water Partition Coefficient: Not established
Autoignition Temperature: Not established	Decomposition Temperature: Not established
Viscosity: Not established	Explosive Properties: None
Oxidizing Properties: None	Specific Gravity (H₂O= 1): Not established

9.2 Other Information: None known

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive under normal conditions.

10.2 Chemical Stability: Stable.

10.3 Possibility of Hazardous Reactions: Reaction with strong oxidizers will generate heat.

10.4 Conditions to Avoid: None

10.5 Incompatible Materials: Incompatible with strong oxidizing agents; and strong acids and bases.

10.6 Hazardous Decomposition Products: Oxides of carbon, cobalt oxides, sulfur oxides, chlorine, and HCL.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eye Contact: May causes mild eye irritation.

Skin contact: May cause mild irritation.

Inhalation: No adverse effects are expected during normal use. Inhalation of vapors may cause central nervous system effects such as drowsiness, dizziness, and unconsciousness.

Ingestion: Swallowing is not expected due to product form. If swallowed, may cause intestinal tract irritation and nervous system effects.

Acute Toxicity:

Calculated ATE: Oral LD50 >2000 mg/kg, Dermal LD50 >2000 mg/kg; Inhalation LC50 >20 mg/L

Glycerin: Oral rat LD50 27,200 mg/kg

Acetic Acid: Oral rat LD50 3,310 mg/kg, Inhalation rat LC50 11.4 mg/L

Chloroform: Oral rat LD50 908 mg/kg; Inhalation LOEC 8/10 animals died 500 ppm/6 hr

Cobalt Thiocyanate: Oral LD50 500 mg/kg, Dermal LD50 1,100 mg/kg; Inhalation LC50 5 mg/L

(Based on GHS point estimate values for toxicity classification)

Skin corrosion/irritation: Not classified as corrosive or irritating. Acetic acid is present in concentrations less than established specific concentration limits and is not expected to be corrosive or irritating in the product.

Eye damage/ irritation: Not classified as damaging or irritating. Acetic acid is present in concentrations less than established specific concentration limits and is not expected to cause eye damage or irritation in the product.

Respiratory Irritation: Not classified as a respiratory irritant.

Respiratory Sensitization: Not classified as a respiratory sensitizer.

Skin Sensitization: Not classified as a skin sensitizer.

Germ Cell Mutagenicity: None of the components are germ cell mutagens.

Reproductive Toxicity: Chloroform is suspected of damaging the unborn child.

Carcinogenicity: Cobalt Thiocyanate, as cobalt compounds are classified by IARC as 2B- Possibly Carcinogenic to Humans. Cobalt Thiocyanate, as cobalt compounds that release cobalt ions in vivo are classified NTP as R – Reasonably Anticipated to Be a Human Carcinogen. Chloroform is classified by IARC as 2B- Possibly Carcinogenic to Humans; NTP as R – Reasonably Anticipated to Be a Human Carcinogen; and by the EU CLP as Carcinogen Category 2 Suspected of causing cancer. None of the other components are listed as carcinogens or suspected carcinogens by IARC, NTP, OSHA or EU CLP.

Specific Target Organ Toxicity:

Single Exposure: Components are not classified as category 1 or 2 target organ toxins.
Repeat Exposure: Chloroform causes damage to kidneys and liver through prolonged or repeated inhalation.

Aspiration Toxicity: Components are not aspiration hazards.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Glycerin: LC50 Oncorhynchus mykiss (Rainbow trout) 54,000 mg/L/96 hr;
EC50: Daphnia Magna: 1,955 mg/L/48 hr; EC50 Skeletonema costatum >1,000 mg / 72 hr.
Acetic Acid: LC50 Oncorhynchus mykiss (Rainbow trout) >1,000 mg/L/96 hr;
EC50: Daphnia Magna: >1,000 mg/L/48 hr.
Chloroform: LC50 Pimephales promelas 103-171 mg/L/96 h; EC50 daphnia magna 29 mg/L/48 hr
Cobalt Thiocyanate: Is expected to be very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Glycerin, Acetic Acid, and Chloroform are readily biodegradable.
Cobalt Thiocyanate: Not determined.

12.3 Bioaccumulative Potential: Bioaccumulation is not expected based on a review of the components.
Cobalt Thiocyanate: Not determined.

12.4 Mobility in Soil: No data available

12.5 Results of PBT and vPvB assessment: Components do not meet the criteria of PBT or vPvB.

12.6 Other Adverse Effects: None

SECTION 13. DISPOSAL CONSIDERATIONS
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13.1 Waste Treatment Methods:

Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14. TRANSPORT INFORMATION
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	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not regulated in packages containing <200 lbs. of solution*			RQ = 200 lbs.
Canadian TDG		Not regulated			No
EU ADR/RID		Not regulated			No
IMDG		Not regulated			No
IATA/ICAO		Not regulated			No

* Packages with 200 lbs. or greater solution are hazardous substance shipments and are regulated as Class 9, Environmentally Hazardous substances, solid, n.o.s.

14.6 Special Precautions for User: None

14.7 Transport in Bulk According to Annex II MARPOL 73/78 and the IBC Code: Not applicable – product is transported only in packaged form.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

This SDS was prepared in compliance with Regulation (EC) No. 1907/2006 (REACH) and its amendments and Regulation (EC) No 1272/2008 (CLP), US OSHA Hazard Communication 29CFR1910.1200 and Canadian WHMIS.

CERCLA: This product has an RQ of 200 lbs. based on the RQ for Chloroform of 10 lbs. present at <5% maximum. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Refer to Section 2 for the OSHA Hazard Classification.

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:

Chloroform	CAS # 67-66-3	at < 5%
Cobalt Thiocyanate (as Cobalt compounds)	CAS # 3017-60-5	at <1.0 %

INTERNATIONAL INVENTORIES

EPA TSCA Inventory: All components are listed.

CANADIAN CEPA: All components are listed on the DSL or NDSL

AUSTRALIA: All components are listed.

CHINA: Components are not all listed

PHILIPPINES: Components are not all listed

NEW ZEALAND: All components are listed

TAIWAN: All components are listed

SECTION 16. OTHER INFORMATION

CLP/GHS Hazard Statements for Reference (See Section 3):

Acute Toxicity Cat. 3	- Acute Toxicity Category 3
Acute Toxicity Cat. 4	- Acute Toxicity Category 4
Aquatic Acute Toxicity Cat. 1	- Hazardous to the Aquatic Environment – Acute Hazard Category 1
Aquatic Chronic Toxicity Cat. 1	- Hazardous to the Aquatic Environment – Long-Term Hazard Category 1
Carcinogen Cat. 2	- Carcinogenicity Category 2
Eye Damage Cat. 1	- Eye Damage Category 1
Skin Irritation Cat. 2	- Skin Irritation Category 2
Eye Irritation Cat. 2	- Eye Irritation Category 2
Flammable Liquid Cat. 3	- Flammable Liquid Category 3
Reproductive Toxicity Cat. 2	- Toxic to Reproduction Category 2
Skin Corrosive Cat. 1A	- Skin Corrosion Category 1A
STOT RE Cat. 1	- Specific Target Organ Toxicity (Repeated Exposure) Category 1
STOT SE Cat. 3	- Specific Target Organ Toxicity (Single Exposure) Category 3

H226 Flammable Liquid and vapor.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

SDS Revision History: New SDS

Date of preparation: 30 July 2020

Date of last revision: N/A

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.