SAFETY DATA SHEET

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

1.1 Product Identifier

Trade Name	**M 39 Colorimetric Methamphetamine Wipe Parts A & B Mixed**
REACH Substance Name	Mixture
REACH Registration Number	Mixture
SDS Date	20 August 2020

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

Email: traceeyed.com

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 is a mixture of a two-part packet that is mixed prior to use. This consists of a sachet containing 1.5 mL of solution completely absorbed on a polypropylene/cellulose wipe. There is no free liquid in the sachet.

CLP/GHS Classification (1272/2008): Flammable Solids Category 1 (H228)
Germ Cell Mutagenicity Category 2 (H341)
Carcinogen Category 1B (H350)

2.2 Label Elements:

DANGER

Hazard statement(s)
H224 Flammable Liquid.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
Precautionary statement(s)

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from flames and hot surfaces. No smoking.
P280 Wear eye protection and protective gloves.
P370 + P378 In case of fire: Use water spray or alcohol resistant foam to extinguish. 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 two chambered sachet that when activated contains 1.5 mL of solution completely absorbed on a polypropylene/cellulose wipe. The following information refers to that solution.

3.2 Mixture

Chemical Name	CAS Number / EINECS Number / REACH Reg. Number	% (w/w)	CLP/GHS Classification (1272/2008)
Acetaldehyde	75-07-0 200-836-8	1-5	Flammable Liquid Cat. 1 (H224) Eye Irritation Cat. 2 (H319) STOT SE Cat. 3 (H335) Germ Cell Mutagenicity Cat. 2 (H341) Carcinogen Cat. 1B (H350) Aquatic Acute Toxicity Cat. 3 (H402)
Ethanol	64-17-5 200-578-6	1-5	Flammable liquid and vapor (H225) Eye Irritation Cat. 2 (H319) Skin Irritation (H315) Respiratory Irritation (H335) Drowsiness or Dizziness (H336) May be harmful if swallowed. (H303)

Water	7732-18-5 231-791-2	93	Not a hazardous substance
Sodium Nitroprusside	13755-38-9 604-025-3	<1	Acute Toxicity Cat. 3 (H301)
Sodium Carbonate	497-19-8 207-838-8	<1	Eye irritation (H319) Mild Skin irritation (H316)

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: May cause mild eye and skin irritation. Suspected of causing genetic defects. May cause cancer.

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 water spray or alcohol resistant foam to extinguish.

5.2 Special Hazards Arising from the Substance or Mixture

Fire and Explosion Hazards: Classified as a flammable solid. **Combustion Products:** Oxides of carbon, and nitrogen oxides.

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. Eliminate all ignition sources and ventilate the area.

6.2 Environmental Precautions:
Avoid 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

7.1 Precautions for Safe Handling:
Avoid breathing vapors. Avoid eye contact. Avoid prolonged or repeated skin contact. Wear impervious gloves when using product. Eye protection recommended. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Remove contaminated clothing and launder before re-use.

Read product instructions prior to 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
Acetaldehyde	None Established	50 ppm TWA, 50 ppm STEL, **Austria** 25 ppm STEL **Spain** 100 ppm TWA **France** 25 ppm TWA **Belgium, Ireland,** 50 ppm TWA, 50 ppm Ceiling **Germany**, 25 ppm TWA, 25 ppm Ceiling **Denmark** 25 ppm TWA, 50 ppm Ceiling **Sweden** 20 ppm TWA, 50 ppm Ceiling **UK**	200 ppm TWA OSHA PEL 25 ppm Ceiling ACGIH TLV

Ethyl alcohol	None established		1000 ppm TWA 1000 ppm TWA; 1900 mg/m^3 TWA 3300 ppm IDLH 1000 ppm TWA; 1900 mg/m^3 TWA
Sodium Nitroprusside	None Established	None Established	None Established
Sodium Carbonate	None Established	None Established	None Established

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 Measurers

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:** Not established
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): Flammable solid	
Vapor Density(Air=1): Not established	**Relative Density:** Not established

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 (H_2O= 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: Flames and hot surfaces.

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

10.6 Hazardous Decomposition Products: Oxides of carbon, and nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eye Contact: May cause mild eye irritation.

Skin contact: May cause mild irritation.

Inhalation: No adverse effects are expected during normal use.

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 2,985 mg/kg
Acetaldehyde: Oral LOEL 675 mg/kg
Sodium Nitroprusside: Oral rat LD50 20 mg/kg

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Eye damage/ irritation: Based on available data, the classification criteria are not met.

Respiratory Irritation: Based on available data, the classification criteria are not met.

Respiratory Sensitization: Based on available data, the classification criteria are not met.

Skin Sensitization: Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity: Acetaldehyde is a suspected germ cell mutagen.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Acetaldehyde 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 1B May cause 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: Based on available data, the classification criteria are not met.
Repeat Exposure: Based on available data, the classification criteria are not met.

Aspiration Toxicity: Based on available data, the classification criteria are not met.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:
Acetaldehyde: LC50 Golden orfe 140 mg/L/96 hr; EC50: Daphnia Magna: 57.4 mg/L/48 hr;
EC50 Pseudokirchneriella subcapitata >100 mg/L/72 hr.
Sodium Nitroprusside: No data available
Ethanol: Fish: Rainbow trout: LC50 = 12900-15300 mg/L; 96 Hr; Flow-through @ 24-24.3°CFish: Rainbow trout: LC50 = 11200 mg/L; 24 Hr; Fingerling (Unspecified) Bacteria: Phytobacterium phosphoreum: EC50 = 34900 mg/L; 5-30 min; Microtox test. When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to adsorb to sediment or bioconcentrate in fish.

12.2 Persistence and degradability: Acetaldehyde and Ethanol readily biodegradable.
12.3 Bioaccumulative Potential: No data available
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
was degraded with half-lives on the order of a few days using microcosms constructed with a low organic sandy soil and groundwater, indicating it is unlikely to be persistent in the environment.

BIOACCUMULATIVE POTENTIAL: Bioaccumulation is not significant. This product is readily biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:
Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14. TRANSPORT INFORMATION

	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			
Canadian TDG		Not regulated			No
EU ADR/RID		Not regulated			No
IMDG		Not regulated			No
IATA/ ICAO		Not regulated			No

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. 1907/200 (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 20,000 lbs. based on the RQ for Acetaldehyde of 1,000 lbs. present at 15% 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:

Acetaldehyde CAS # 67-66-3 at 1-5%

SECTION 16. OTHER INFORMATION

CLP/GHS Hazard Statements for Reference (See Section 3):
Acute Toxicity Cat. 3 - Acute Toxicity Category 3
Aquatic Acute Toxicity Cat. 3 - Hazardous to the Aquatic Environment – Acute Hazard Category 3
Carcinogen Cat. 1B - Carcinogenicity Category 1B
Eye Irritation Cat. 2 - Eye Irritation Category 2
Flammable Liquid Cat. 1 - Flammable Liquid Category 1
Germ Cell Mutagenicity Cat. 2 - Germ Cell Mutagenicity Category 2
STOT SE Cat. 3 - Specific Target Organ Toxicity (Single Exposure) Category 3

H224 Extremely flammable liquid and vapor.
H301 Toxic if swallowed.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

H341 Suspected of causing genetic defects.
H350 May cause cancer.
H402 Harmful to aquatic life.

SDS Revision History: New SDS
Date of preparation: 26 August 2020 **Date of last revision:** 23 December 2021

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.