



SAFETY DATA SHEET

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

1.1 Product Identifier

Trade Name	Formula AN 37Sachet
REACH Substance Name	Mixture
REACH Registration Number	Mixture
SDS Date	15 April 2023

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 0.3 mL of solution completely absorbed on a polypropylene/cellulose wipe. There is no free liquid in the sachet.

CLP/GHS Classification (1272/2008): Combustible liquid (H227)
Eye Irritant Category 2A (H319)
Specific Target Organ Toxicity Single Exposure Category 3 (H336)

Combustible liquid.

**2.2 Label
Elements:**



WARNING

Hazard statement(s)

H226 Flammable Liquid and Vapor
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
EUH208 Contains ethylenediamine dihydrochloride. May produce an allergic reaction.
H214 Skin corrosion/irritation Category 1C
H318 Causes severe skin burns and eye damage (phosphoric acid)
H227 Combustible liquid.

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources – No smoking.
P260 - Do not breathe mist, vapors, spray.
P261 Avoid breathing vapors.
P264 Wash hands thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER or 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.
P310 - Immediately call a poison center or doctor/physician.
P363 - Wash contaminated clothing before reuse.
P3337+P313 If eye irritation persists: Get medical attention.
P370+P378 In case of fire: Use water fog, carbon dioxide, dry chemical or alcohol-resistant foam to extinguish
P501 Dispose of contents in accordance with local, state and national regulations.

2.3 Other Hazards: None known.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS
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This product consists of a sachet containing 0.3 mL of solution completely absorbed on a polypropylene/cellulose wipe. The following information refers to the solution.

3.2 Mixture

Part A

Chemical Name	CAS Number / EINECS Number / REACH Reg. Number	% (w/w)	CLP/GHS Classification (1272/2008)
Dimethyl Sulfoxide (DMSO)	67-68-5	22.5%	Combustible liquid (H227)
Isopropanol	67-63-0 200-661-7	22.5%	Flammable Liquid Category 2 (H225) Eye Irritation Category 2 (H319) Specific Target Organ Toxicity, Single Exposure Category 3 (H336)
Tetrabutylammonium hydroxide, 40 wt.% solution in methanol	Methyl alcohol 67-56-1 1-Butanaminium, N,N,N- tributyl-, hydroxide 2052-49-5	5%	Eye damage, skin Irritation (H314) May cause allergic skin reaction Acute toxicity (H217) Acute toxicity (H302) Causes serious eye damage (H318)
N-(1Naphtyl) Ethylenediamine dihydrochloride	1465-25-4	<.1%	Acute Toxicity Category 4 (H302) Skin Irritation Category 2 (H315) Respiratory Sensitization Category 1B (H334) Skin Sensitization Category 1B (H317) Specific Target Organ Toxicity, Single Exposure Category 3 (H335)
2-butanol	78-92-2	50%	Flammable liquid and vapor.(H226) Causes serious eye irritation. (H319) Respiratory irritation (H335) Drowsiness or dizziness (H336)
PART B			
Deionized Water	7732-18-5	89.00%	
Sulfanilamide	63-74-1	3.00%	Skin Irritation Category 2 (H315) Eye Irritation Category 2A(H319) May cause respiratory irritation (H335)
O-Phosphoric Acid (85%, 15.2 M)	7664-38-2	8.00%	H314 - Causes severe skin burns and eye damage. Skin Corr. 1B, H314 Eye Dam. 1, H318

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: Immediately flush eyes with water for at least 15 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 develops or persists.

Inhalation: First aid should not be needed due to very small amount of chemicals present in each sachet. If irritation occurs, remove person to fresh air. If irritation persists, get medical attention. If symptoms of allergy or asthma develop, get immediate 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: Causes eye irritation. Inhalation of vapors may cause central nervous system effects such as drowsiness and dizziness.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention is recommended in the case of allergic respiratory symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Use water fog, carbon dioxide, dry chemical or alcohol-resistant foam. Sachets contain a very small amount of flammable liquid so are not a serious fire hazard.

5.2 Special Hazards Arising from the Substance or Mixture

Fire and Explosion Hazards: Isopropanol liquid and vapors are flammable. Sachets contain a very small amount of flammable liquid so are not a serious fire hazard.

Combustion Products: Carbon, sulfur, phosphorus 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; chemical safety goggles, impervious gloves and protective clothing as needed to prevent skin contact. Eliminate all ignition sources and 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.

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 eye contact. Avoid prolonged or repeated skin contact. Impervious gloves are recommended when using 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
Isopropanol	None Established	200 ppm TWA, 400 ppm STEL ACGIH TLV Belgium, Denmark, Germany, Ireland, Spain 400 ppm TWA, 500 ppm STEL UK 200 ppm TWA, 800 ppm STEL Austria 150 ppm TWA, 250 ppm STEL Sweden	400 ppm TWA OSHA PEL 200 ppm TWA, 400 ppm STEL ACGIH TLV

2-butanol			<p>TWA 100 ppm USA. ACGIH Threshold Limit Values (TLV) TWA 100 ppm 305 mg/m³</p> <p>USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000 TWA 100 ppm 305 mg/m³</p> <p>USA. NIOSH Recommended Exposure Limits ST 150 ppm 455 mg/m³</p> <p>USA. NIOSH Recommended Exposure Limits TWA 150 ppm 450 mg/m³</p> <p>Limits for Air Contaminants PEL 100 ppm 305 mg/m³</p> <p>California permissible exposure limits for chemical contaminants (Title 8, Article 107)</p>
Tetrabutylammonium hydroxide, 40 wt.% solution in methanol	none	none	none
Methyl alcohol		<p>Canada: 200 ppm TWA 262 mg/m³ TWA 250 ppm STEL 328 mg/m³ STEL</p>	<p>200 ppm TWA 260 mg/m³ TWA 250 ppm STEL 325 mg/m³ STEL</p>
Dimethyl Sulfoxide		This product does not contain any hazardous materials with occupational exposure limits established by the regional specific regulatory bodies.	
N-(1Naphthyl) Ethylenediamine dihydrochloride	None Established	None Established	None Established
sulfanilamide	None Established	None Established	None Established

Phosphoric acid (85%)			1 mg/m ³ OSHA OSHA PEL (TWA) (mg/m ³) IDLH US IDLH (mg/m ³) 1000 mg/m ³ 1 mg/m ³ NIOSH NIOSH REL (TWA) (mg/m ³) 1 mg/m ³ 3 mg/m ³ NIOSH NIOSH REL (STEL)
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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: No special controls 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 such as nitrile 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: Clear, colorless liquid	Odor: Alcohol like
Odor Threshold: Not established	pH: 6
Melting/Freezing Point: Not established	Boiling Point: Not established
Flash Point: 85°F (29°C) (isopropanol)	Evaporation Rate: Not established
Lower Flammability Limit: 2% Upper Flammability Limit: 12.7%	Vapor Pressure: 45.4 mmHg @ 25°C (isopropanol) Vapor pressure 12.5mmHg @ 20°C 2 butanol Vapor pressure .417 mmHg DMSO
Flammability (gas, solid): Not applicable	
Vapor Density(Air=1): 2.1 (isopropanol)	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 (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: Avoid heat, sparks, flames and all other sources of ignition.

10.5 Incompatible Materials: Incompatible with strong oxidizing agents.

10.6 Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, sulfur oxides, phosphorus oxides and sulfur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Eye Contact: Causes eye irritation or eye damage.

Skin contact: May cause mild irritation.

Inhalation: No adverse effects are expected during normal use. Prolonged inhalation of isopropanol and 2 butanol may cause central nervous system effects such as drowsiness and dizziness.

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

Chronic Effects: None known.

Acute Toxicity: Calculated ATE

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

Phosphoric acid: LD50 oral rat ≥ 90000 mg/kg

ATE US (oral) 90000 mg/kg body weight.

Respiratory Sensitization: Not classified as a respiratory sensitizer. Contains <1% ethylenediamine dihydrochloride which may cause an allergic reaction in a sensitized person.

Skin Sensitization: Not classified as a skin sensitizer

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

Reproductive Toxicity: None of the components are reproductive toxins.

Carcinogenicity: None of the 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: Components are not classified as category 1 or 2 target organ toxins.

Aspiration Toxicity: Components are not aspiration hazards.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:

Isopropanol: LC50 Pimephales promelas 230 mg/L/96 h; EC50 daphnia magna 7,550-13,299 mg/L/48 h; ErC50 algae Scenedesmus sp. >1,000 mg / 72 h

Phosphoric Acid{ 85% w/w (7664-38-2) LC50 fish 1 138 mg/l (LC50)

2 butanol: Toxicity to fish static test LC50 - Leuciscus idus melanotus - 3,520 mg/l - 48 h Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - 2,300 mg/l - 24 h Remarks: (ECHA

12.2 Persistence and degradability: Isopropanol is readily biodegradable.

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

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: No data available.

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 per SP47			No
Canadian TDG		Not regulated per SP56			No
EU ADR/RID		Not regulated per SP216			No
IMDG		Not regulated per SP216			No
IATA/ ICAO		Not regulated per SP A46			No

This product consists of a sachet (packet) containing 0.3 mL of a flammable liquid saturated onto a wipe substrate with no free liquid in the packet. These are classified as UN3175, Solids containing flammable liquid, n.o.s., 4.1, PG II. These sachets can be shipped as unregulated under the special provisions indicated above.

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 is not subject to CERCLA reporting. Many states have more stringent release reporting requirements. Report spills as 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:
None

INTERNATIONAL INVENTORIES

EPA TSCA Inventory: All components are listed.

CANADIAN CEPA: All components are listed.

AUSTRALIA: All components are listed.

CHINA: All components are listed

PHILIPPINES: All components are 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):

H225 Highly flammable liquid and vapor.

H302 Harmful if swallowed.

H314 Eye damage, skin Irritation

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Eye damage 1

H319 Causes serious eye irritation.

H226 Flammable liquid and vapor

H 227 Combustible liquid

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

SDS Revision History: New SDS

Date of preparation: 15 April 2023

Date of last revision: NA

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.