



Trace Eye-D Proprietary & Confidential Information

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Chemical: Acid Solution

Product Name: Formula PB-33 Part A

Synonyms: None

1.2. Intended Use of the Product

Proprietary. In the event of a medical emergency, composition information will be provided to a Physician or Nurse.

1.3. Name, Address, and Telephone of the Responsible Party Company

Trace Eye-D

573 Interstate Blvd.

Sarasota, FL 34240

941.926.5045 info@traceeyed.com

1.4. Emergency Telephone Number

1(866)TRACE91(872-2391) to contact Trace Eye-D

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call Trace Eye-D Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Skin Irritation: Category 1

Eye Irritation: Category 1

Respiratory Irritation: STOT SE Category 3

Corrosive to Metals: Category 1

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US):



Signal Word (GHS-US):

DANGER

Hazard Statements (GHS-US):

Causes severe skin burns and serious eye damage.
May cause respiratory irritation.
May be corrosive to metals.

Precautionary Statements (GHS-US):

Keep only in original container. Store locked up.
Do not breathe mists, vapors, or spray. Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product. Use only in a well-ventilated area.
Wear protective gloves, clothing, eye, and face protection.
If swallowed rinse mouth. Do NOT induce vomiting.
If on skin or hair: Take off all contaminated clothing. Rinse skin with water or shower. Wash clothing before reuse.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if easy to do. If eye irritation persists, get medical attention.
Contact a doctor or poison control center immediately if the product is swallowed or inhaled.
Absorb spillage to prevent material damage.
Dispose of contents in accordance with local/state/federal regulations

2.3. Hazard Statement(s)

Route of Entry: Absorption, Inhalation, Ingestion

Target Organs: Eyes, Skin

Acute Effects

Inhalation: Not expected to be a relevant route of exposure. However, high vapor or aerosol mist concentrations may be irritating to the nose, throat and upper respiratory tract. Prolonged exposure may cause burning and/or bleeding in nasal cavities.

Eye Contact: Material can cause severe eye irritation. Symptoms may include inflammation, redness and tearing. Can injure eye tissues.

Skin Contact: Material can cause skin burns. Symptoms may include redness and burning of the skin and other skin damage. Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

Ingestion: Ingestion will cause gastrointestinal irritation. Symptoms may include abdominal discomfort, nausea, vomiting and diarrhea. Corrosive burns may appear around the lips.

Chronic Effects No product information available

2.4. Unknown Acute Toxicity (GHS-US)

No data available

3.1. Substance

ALL SPECIFIC HAZARDOUS COMPONENTS (IF ANY), REQUIRED TO BE IDENTIFIED BY FEDERAL AND/OR STATE LAW, ARE IDENTIFIED BY COMPONENT NAME AND CASRN NUMBER AND LISTED IN REQUIRED SECTIONS 3, 8, 14 AND 15 OF THIS SDS.

3.2. Mixture

CAS Number	Component	%
Proprietary	Acid Solution	<10
7664-93-9	Sulfuric Acid	>90

SECTION 4: FIRST AID MEASURES

Inhalation:	If respiratory symptoms develop, move victim from contaminated area to fresh air and keep comfortable for breathing. If not breathing, apply artificial respiration, preferably by mechanical means. Avoid direct mouth to mouth resuscitation. Contact a doctor or poison control center immediately if the product is inhaled.
Skin Contact:	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Rinse skin in water/shower including hair and under fingernails. Do not apply any medicated agents except on the advice from a physician. Get medical attention if needed. .
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing with large amounts of running water for at least 15 minutes, holding eyelids apart to facilitate irrigation of the entire surface of the eyes and lids. If eye irritation persists, get medical advice/attention. Do not apply any medicated agents except on the advice of a physician. Get immediate medical attention.
Ingestion:	Rinse mouth. DO NOT INDUCE VOMITING OR ADMINISTER EMETICS. Contact a physician, hospital or Poison Control Center immediately. Do not give anything by mouth to an unconscious person. To ensure airway is open, position with head lower than body and transport immediately to a medical facility.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point (°F):	Not determined
Flash Point Method:	Not applicable
Autoignition Temperature (°F):	No test data available
Lower Explosion Limit (%):	No test data available
Upper Explosion Limit (%):	No test data available
Flammability Classification:	Not applicable
Extinguishing Media:	Dry powder, foam, carbon dioxide, water or water mist. Wear self-contained breathing apparatus and other protective clothing. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

Special Fire Fighting Procedures:	Not applicable
Unusual Fire and Explosion Hazards:	Closed container may rupture (due to build up in pressure) when exposed to extreme heat. None known for the product as delivered. Irritating and toxic substance may be emitted upon combustion, burning or decomposition of the dry solids.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill:	Wear chemical safety glasses with side shields or chemical goggles and heavy rubber gloves. Absorb in vermiculite, sand, floor sweeping compound or other absorbent material. Place in container for chemical waste. Do not discharge to drains or surface water. (See also section 8)
Large Spill:	Remove unprotected personnel from spill area until cleanup is complete. Stop spill at source and dike area to prevent spreading. Collect excess material and transfer to chemical waste containers. Do not discharge to drains or surface water. (See also section 8)
Waste disposal:	Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, State and Local regulations. (See also section 13)

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Do not take internally. Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Do not breathe dust, vapor or mist. Wear appropriate chemical protective clothing and equipment. Always wash hands thoroughly after handling. Launder contaminated clothing before reuse. Avoid release to the environment. Open and handle the containers with care.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Avoid areas of excessive heat. Keep from freezing. Keep container closed when not in use. Store locked up, only in approved corrosive resistant containers and in a well-ventilated area away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

Engineering Controls:	Use Mechanical (general) ventilation for storage areas. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).
Protective Equipment:	PPE: Ask supervisor or safety specialist for handling instructions Eye and Skin Protections: Wear gloves that are chemically resistant to the material. Wear approved eye and face protection. Respiratory Protections: Where there is a potential for airborne exposures, wear NIOSH approved respiratory protections. Other Protective Equipment: A deluge safety shower and eye wash station must be located near the work area. Hygienic Practices: Avoid contact with eyes, skin and clothing. Avoid inhalation of contaminant. Wash thoroughly after handling. Do not eat, drink, use tobacco products, chew gum or apply cosmetics in area where there is a potential for exposure to the material. Each Company should review the protective equipment and engineering controls based on individual needs and situations to insure the safe handling of each product.

Occupational Exposure Value(s)

Chemical Name (CASRN)	ACGIH TLV	OSHA PEL	NIOSH REL
Sulfuric acid (7664-93-9)	0.2 mg/m ³	1 mg/m ³	1 mg/m ³

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid saturated wipe
Appearance:	Wipe with clear light pink liquid
Odor:	Pungent
Odor Threshold:	No data available
pH:	< 2
Evaporation Rate:	Slower than Butyl Acetate
Melting Point:	No data available
Freezing Point:	No data available
Boiling Point:	No data available
Flash Point:	No data available
Auto-ignition Temperature:	No data available
Decomposition Temperature:	No data available
Flammability (solid, gas):	No data available
Vapor Pressure:	No data available
Relative Vapor Density at 20°C	Estimated heavier than air
Relative Density:	12.35
Specific Gravity:	1.48
Solubility:	Soluble in water
Partition Coefficient: N-Octanol/Water:	No data available
Viscosity:	No data available

SECTION 10: STABILITY AND REACTIVITY

Stability:	This product is stable under normal conditions.
Conditions to Avoid:	Avoid areas of excessive heat.
Materials to Avoid (Incompatibilities):	Avoid contact with strong bases and acids. Avoid contact with strong oxidizing agents.
Hazardous Decomposition products:	Combustion may produce oxides of carbon and sulfur.
Hazardous Polymerization:	Is not expected to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

General:	<u>Acute Toxicity:</u> LD50 Oral: No product data are available; product ATE = 2,202 mg/kg bw LD50 Dermal: No product data are available; corrosive LC50 Inhalation: No product data are available; may cause respiratory irritation Skin corrosion/irritation: Corrosive
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Serious eye damage/irritation: Corrosive

Respiratory or skin sensitization: No product data are available; corrosive, but not expected to be sensitizer

Aspiration hazard: No product data are available; not expected to be an aspiration hazard

Chronic Toxicity:

Germ Cell mutagenicity: No product data are available; not expected to be a mutagen

Carcinogenicity: No product data are available; exposure to strong inorganic mists containing sulfuric acid may cause cancer by inhalation

Reproductive toxicity: No product data are available; not expected to be a reproductive toxin
STOT-single exposure: No product data are available; irritating to the respiratory tract

STOT-repeated exposure: No product data are available

IARC / NTP / OSHA:

Components present at 0.1% or more – None unless listed below:

Strong inorganic mists containing sulfuric acid are classified as Group 1 Carcinogenic to humans by IARC, as a known carcinogen by NTP and as a Suspected Human Carcinogen by ACGIH.

SECTION 12: ECOLOGICAL INFORMATION

General:

Ecotoxicity: Not expected to be toxic to aquatic organisms (see below)

LC50: No product data is available

EC50: No product data is available

Persistence and degradability:

COD: No product data is available

BOD5: No product data is available

Biodegradability: No product data is available

Octanol/Water Partition coefficient: No product data is available

Bio-accumulative potential: No product data is available

Mobility in soil: No product data is available

SECTION 13: DISPOSAL CONSIDERATIONS

Empty Container:

“Empty” containers retain product residue (liquid and/or vapor) and can be hazardous. Dispose of in accordance with applicable Federal, State and Local regulations.

Waste Disposal:

Dispose of drum, product or rinsing in accordance with applicable Federal, State and Local regulations. Liquid waste meets the definition of EPA Hazardous Waste Codes D002 Corrosive Waste.

SECTION 14: TRANSPORT INFORMATION

14.1. In Accordance with DOT

Proper Shipping Name:	Sulfuric acid with more than 51 percent acid (Sulfuric Acid)
Hazard Class:	8
Identification Number:	UN1830
Label Codes:	8
Packing Group:	II
ERG Number:	137

14.2. In Accordance with IMDG

Proper Shipping Name:	Sulfuric acid with more than 51 percent acid (Sulfuric Acid)
Hazard Class:	8
Subsidiary Risk(s):	NA
Identification Number:	UN1830
Packing Group:	II
Label Codes:	8
EMS-Guide	137

14.3. In Accordance with IATA

Proper Shipping Name:	Sulfuric acid with more than 51 percent acid (Sulfuric Acid)
Packing Group:	II
Identification Number:	UN1830
Hazard Class:	8
Label Codes:	8
Subsidiary Risk(s):	NA
ERG Code (IATA):	137

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Toxic Substances Control Act (TSCA) The below listed components of this product are NOT listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

No component(s) listed

TSCA 12(b) Export Notification Rule The following component(s) of this product are listed under the TSCA 12(b) Export Notification rule and are present at levels which could require reporting:

No component(s) listed

CERCLA, Sections 102a / 103 If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling (800)424-8802.

The following component(s) are specifically listed as hazardous substances in 40 CFR 302.4 and are present at levels which could require reporting:

Sulfuric Acid (7664-93-9) RQ = 1000 lbs

SARA, section 302 requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting

based on reportable quantities (RQ's)

The following components of this product are listed as extremely hazardous substances in 40 CFR Part 355.30 and are present at levels which could require reporting and emergency planning:

Sulfuric Acid (7664-93-9) RQ = 1000 lbs

SARA, Section 304 requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on reportable Quantities (RQ's)

The following components of this product are present at levels which could require reporting and emergency planning under 40 CFR Part 355.40:

Sulfuric Acid (7664-93-9) RQ = 1000 lbs

SARA, Section 313 requires submission of annual reports of release of toxic chemicals

The following components of this product are listed as toxic chemicals in 40 CFR 372.65 and are present at levels which could require reporting and customer notification under Sections 313 and 40 CFR Part 372:

Sulfuric acid (acid aerosols including mists, vapors, gas, fog, and other airborne forms of any particle size)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs)

The following components of this product are listed as Hazardous Air Pollutants:

No Component(s) listed

RCRA Status

Discarded product, as sold, would be considered a RCRA Hazardous Waste D002. Under RCRA, it is the responsibility of the user to determine, at the time of the disposal, whether the product would meet RCRA criteria as a hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

EPA Hazard Categorization:

Immediate Health Hazard: Yes
Delayed Hazard: No
Fire Hazard: No
Reactive Hazard: No
Sudden Release of Pressure Hazard: No

15.2. State Regulations

California Proposition 65:

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute, unless specifically listed.

Strong inorganic acid mists containing sulfuric acid (Cancer)

USA State Right to Know:

MA: Massachusetts Hazardous Substance list; none
ME: Maine; none
MN: Minnesota Hazardous Substance list; diphenyl amine, isopropyl alcohol, and sulfuric acid
PA: Pennsylvania Right to know list of Hazardous Substances; diphenyl amine, isopropyl alcohol, and sulfuric acid
NJ: New Jersey Hazardous Substance list; diphenyl amine, isopropyl alcohol, and sulfuric acid
CA California Hazardous Substances list: diphenyl amine, isopropyl alcohol, and

sulfuric acid

WA: Washington; diphenyl amine and sulfuric acid

15.3. International Regulations

15.4. Additional Information

Canadian WHMIS Classification: Not Determined

Canadian Ingredient Disclosure List: Not Determined

German Consumer Protection Act: Not Determined

Oeko – Tex Standard 100: Not Determined

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: June 1, 2018 Revision Type: New SDS

Disclaimer: All information, recommendations and suggestions appearing herein are based upon data believed to be reliable. However, it is the user's responsibility to determine the safety and suitability of this product for their-own use. Since the actual use by others is beyond our control, Trace Eye-D, LLC makes no guarantee or warranty, express or implied, with respect to the effect of such use, or the safety or toxicity of this product. Trace Eye-D, LLC does not assume any liability arising out of the use of this product by others.

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.



Safety Data Sheet

According to According to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)),

Date of Issue: 06/01/2018

Version 1.0

Trace Eye-D Proprietary & Confidential Information

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Chemical: Glycol Ether Solution

Product Name: PB-33 Formula Part B

Synonyms: None

1.2. Intended Use of the Product

Proprietary. In the event of a medical emergency, composition information will be provided to a Physician or Nurse.

1.3. Name, Address, and Telephone of the Responsible Party Company

Trace Eye-D

573 Interstate Blvd.

Sarasota, FL 34240

941.926.5045

1.4. Emergency Telephone Number

Emergency Number: CHEMTREC:

Within the USA & Canada: xxx.xxx.xxxx

Outside USA & Canada: Trace Eye-D Contact: Barry Gorski 941.531.2169

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call Trace Eye-D Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification

Eye Irritation: Category 2A

Corrosive to Metals: Category 1

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US):



Signal Word (GHS-US):

WARNING

Hazard Statements (GHS-US):

Causes serious eye irritation.
May be corrosive to metals.

Precautionary Statements (GHS-US):

Keep only in original container. Store locked up.
Wash hands thoroughly after handling. Do not eat, drink, or smoke when using this product.
Wear eye and face protection.
If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if easy to do. Continue rinsing.
If eye irritation persists, get medical attention.
Absorb spillage to prevent material damage.
Dispose of contents in accordance with local/state/federal regulations.

2.3. Hazard Statement(s)

Route of Entry:

Absorption, Inhalation, Ingestion

Target Organs:

Eyes, Skin

Acute Effects

Inhalation:

Not expected to be a relevant route of exposure. However, high vapor or aerosol mist concentrations may be irritating to the nose, throat and upper respiratory tract.

Eye Contact:

Material can cause eye irritation. Symptoms may include inflammation, redness and tearing.

Skin Contact:

It is possible that prolonged or repeated contact with the undiluted product may be irritating to the skin. Symptoms may include redness and irritation of the skin.

Ingestion:

Ingestion may cause gastrointestinal irritation. Symptoms may include abdominal discomfort, nausea, vomiting and diarrhea.

Chronic Effects

No product information available

2.4. Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

ALL SPECIFIC HAZARDOUS COMPONENTS (IF ANY), REQUIRED TO BE IDENTIFIED BY FEDERAL AND/OR STATE LAW, ARE IDENTIFIED BY COMPONENT NAME AND CASRN NUMBER AND LISTED IN REQUIRED SECTIONS 3, 8, 14 AND 15 OF THIS SDS.

3.2. Mixture

CAS Number	Component	%
Proprietary	Glycol Ether Solution	100

SECTION 4: FIRST AID MEASURES

Inhalation:	If respiratory symptoms develop, move victim from contaminated area to fresh air. If not breathing, apply artificial respiration, preferably by mechanical means. Avoid direct mouth to mouth resuscitation. If symptoms persist, obtain medical attention immediately.
Skin Contact:	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Wash with plenty of soap and water including hair and under fingernails. Do not apply any medicated agents except on the advice from a physician. Get medical attention if needed.
Eye Contact:	Rinse cautiously with water for at least 15 minutes, holding eyelids apart to facilitate irrigation of the entire surface of the eyes and lids. If eye irritation persists, get medical advice/attention. Do not apply any medicated agents except on the advice of a physician. Get immediate medical attention.
Ingestion:	Rinse mouth. DO NOT INDUCE VOMITING OR ADMINISTER EMETICS EXCEPT ON THE ADVICE FROM A PHYSICIAN. If victim is fully conscious, give 2 - 3 glasses of water to drink. Contact a physician, hospital or Poison Control Center immediately. Do not give anything by mouth to an unconscious person. To ensure airway is open, position with head lower than body and transport immediately to a medical facility.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point (°F):	Not determined
Flash Point Method:	Not applicable
Autoignition Temperature (°F):	No test data available
Lower Explosion Limit (%):	No test data available
Upper Explosion Limit (%):	No test data available
Flammability Classification:	Not applicable
Extinguishing Media:	Dry powder, foam, carbon dioxide, water or water mist. Wear self-contained breathing apparatus and other protective clothing. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.
Special Fire Fighting Procedures:	Not applicable
Unusual Fire and Explosion Hazards:	Closed container may rupture (due to build up in pressure) when exposed to extreme heat. None known for the product as delivered. Irritating and toxic substance may be emitted upon combustion, burning or decomposition of the dry solids.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill:	Wear chemical safety glasses with side shields or chemical goggles and heavy rubber gloves. Absorb in vermiculite, sand, floor sweeping compound or other absorbent material. Place in container for chemical waste. Do not discharge to drains or surface water. (See also section 8)
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According to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))

- Large Spill:** Remove unprotected personnel from spill area until cleanup is complete. Stop spill at source and dike area to prevent spreading. Collect excess material and transfer to chemical waste containers. Do not discharge to drains or surface water. (See also section 8)
- Waste disposal:** Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, State and Local regulations. (See also section 13)

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Do not take internally. Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Avoid contact with the eyes, skin and clothing. Avoid breathing dust, vapor or mist. Wear appropriate chemical protective clothing and equipment. Always wash thoroughly after handling. Launder contaminated clothing before reuse. Avoid release to the environment. Open and handle the containers with care.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Avoid areas of excessive heat. Keep from freezing. Keep container closed when not in use. Store locked up, only in approved corrosive resistant containers and in a well-ventilated area away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

- Engineering Controls:** Use Mechanical (general) ventilation for storage areas. All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).
- Protective Equipment:** PPE: Ask supervisor or safety specialist for handling instructions
 Eye and Skin Protections: Wear gloves that are chemically resistant to the material. Wear approved eye and face protection.
 Respiratory Protections: Where there is a potential for airborne exposures, wear NIOSH approved respiratory protections.
 Other Protective Equipment: A deluge safety shower and eye wash station must be located near the work area.
 Hygienic Practices: Avoid contact with eyes, skin and clothing. Avoid inhalation of contaminant. Wash thoroughly after handling. Do not eat, drink, use tobacco products, chew gum or apply cosmetics in area where there is a potential for exposure to the material.
 Each Company should review the protective equipment and engineering controls based on individual needs and situations to insure the safe handling of each product.

Occupational Exposure Value(s)

Chemical name (CAS #)	ACGIH (TWA)	ACGIH (STEL)	OSHA (TWA)	OSHA (STEL)
None				

Comments: (S) = Skin, (C) = Ceiling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** Clear yellow liquid
- Physical State:** Liquid
- Odor:** Characteristic
- (as is) pH:** < 2.0 (estimated)

Vapor Pressure:	Not Determined
Vapor Density:	Estimated heavier than air
VOC (%):	Not Determined
Evaporation Rate:	Slower than Butyl Acetate
Flash Point (°F):	Not Determined
Partition coefficient (n-octanol/water):	Not Determined
Boiling Point (°C):	Not Determined
Melting Point (°C):	Not Determined
Water Solubility:	Soluble
Specific Gravity (H₂O = 1):	0.92
Density (lbs./gal.):	7.67
Percent Solids (%):	Not Determined
Charge Nature:	Not Determined
Molecular Weight:	Not Applicable / Mixture
Viscosity:	Not Determined
Decomposition Temperature:	Not Determined

SECTION 10: STABILITY AND REACTIVITY

Stability:	This product is stable under normal conditions.
Conditions to Avoid:	Avoid areas of excessive heat.
Materials to Avoid (Incompatibilities):	Avoid contact with strong bases and acids. Avoid contact with strong oxidizing agents.
Hazardous Decomposition products:	Combustion may produce oxides of Carbon.
Hazardous Polymerization:	Is not expected to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

General:	Acute Toxicity: LD50 Oral: No product data are available; product ATE = 3,289 mg/kg bw LD50 Dermal: No product data is available LC50 Inhalation: No product data is available Skin corrosion/irritation: No product data is available; not expected to be a skin irritant Serious eye damage/irritation: No product data is available; expected to be an eye irritant Aspiration hazard: No product data are available; not expected to be an aspiration hazard Respiratory or skin sensitization: No product data are available; not expected to be a sensitizer
	Chronic Toxicity: Germ Cell mutagenicity: No product data are available; not expected to be a mutagen Carcinogenicity: No product data are available; not expected to be a carcinogen Reproductive toxicity: No product data are available; not expected to be a reproductive toxin STOT-single exposure: No product data is available

STOT-repeated exposure: No product data is available

IARC / NTP / OSHA:

Components present at 0.1% or more – None unless listed below:

SECTION 12: ECOLOGICAL INFORMATION

General:

Ecotoxicity: Not expected to be toxic to aquatic organisms (see below)
LC50: No product data are available
EC50: No product data is available

Persistence and degradability:

COD: No product data is available
BOD5: No product data are available

Biodegradability: No product data is available
Octanol/Water Partition coefficient: No product data are available

Bio-accumulative potential: No product data is available
Mobility in soil: No product data is available

SECTION 13: DISPOSAL CONSIDERATIONS

Empty Container: "Empty" containers retain product residue (liquid and/or vapor) and can be hazardous. Dispose of in accordance with applicable Federal, State and Local regulations.

Waste Disposal: Dispose of drum, product or rinsing in accordance with applicable Federal, State and Local regulations. Liquid waste meets the definition of EPA Hazardous Waste Codes D002 Corrosive Waste.

SECTION 14: TRANSPORT INFORMATION

14.1. United States DOT GROUND (49)

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s
Technical Name:
Hazard Class: 8
ID Number: UN3264
Packaging Group: III
ERG Guide: 154

14.2. Water Transportation (IMO/IMDG)

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s
Technical Name:
Hazard Class: 8
ID Number: UN3264
Packaging Group: III
EMS Guide: F-A, S-B

14.3. Air Transportation (ICAO/IATA)

Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s
Technical Name:
Hazard Class: 8
ID Number: UN3264
Packaging Group: III

ERG Guide: 154

The transport information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

Toxic Substances Control Act (TSCA)

The below listed components of this product are NOT listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

No component(s) listed

TSCA 12(b) Export Notification Rule

The following component(s) of this product are listed under the TSCA 12(b) Export Notification rule and are present at levels which could require reporting:

No component(s) listed

CERCLA, Sections 102a / 103

If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling (800)424-8802.

The following component(s) are specifically listed as hazardous substances in 40 CFR 302.4 and are present at levels which could require reporting:

No component(s) listed

SARA, section 302 requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on reportable quantities (RQ's)

The following components of this product are listed as extremely hazardous substances in 40 CFR Part 355.30 and are present at levels which could require reporting and emergency planning:

No component(s) listed

SARA, Section 304 requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on reportable Quantities (RQ's)

The following components of this product are present at levels which could require reporting and emergency planning under 40 CFR Part 355.40:

No component(s) listed

SARA, Section 313 requires submission of annual reports of release of toxic chemicals

The following components of this product are listed as toxic chemicals in 40 CFR 372.65 and are present at levels which could require reporting and customer notification under Sections 313 and 40 CFR Part 372:

No Component(s) listed

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs)

The following components of this product are listed as Hazardous Air Pollutants:

No Component(s) listed

RCRA Status

Discarded product, as sold, would be considered a RCRA Hazardous Waste D002. Under RCRA, it is the responsibility of the user to determine, at the time of the

disposal, whether the product would meet RCRA criteria as a hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

EPA Hazard Categorization:

Immediate Health Hazard: Yes
Delayed Hazard: No
Fire Hazard: No
Reactive Hazard: No
Sudden Release of Pressure Hazard: No

15.2. State Regulations

California Proposition 65:

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute, unless specifically listed. No Component(s) listed

USA State Right to Know:

MA: Massachusetts Hazardous Substance list; none
ME: Maine; none
MN: Minnesota Hazardous Substance list; iron salts (e.g., ferric chloride) and hydrochloric acid
PA: Pennsylvania Right to know list of Hazardous Substances; ferric chloride and hydrochloric acid
NJ: New Jersey Hazardous Substance list; ferric chloride and hydrochloric acid
CA: California Hazardous Substance list; ferric chloride and hydrochloric acid
WA: Washington; ferric chloride and hydrochloric acid

15.3. International Regulations

15.4. Additional Information

Canadian WHMIS Classification: Not Determined
Canadian Ingredient Disclosure List: Not Determined
German Consumer Protection Act: Not Determined
Oeko – Tex Standard 100: Not Determined

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date: June 1, 2018 Revision Type: New SDS

Disclaimer: All information, recommendations and suggestions appearing herein are based upon data believed to be reliable. However, it is the user's responsibility to determine the safety and suitability of this product for their-own use. Since the actual use by others is beyond our control, Trace Eye-D, LLC makes no guarantee or warranty, express or implied, with respect to the effect of such use, or the safety or toxicity of this product. Trace Eye-D, LLC does not assume any liability arising out of the use of this product by others.

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.

Safety Data Sheet

According to According to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200(g))