

SAFETY DATA SHEET



Product Name: Decolorizer

Date: February 12, 2018

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SECTION 1: IDENTIFICATION

Product: Decolorizer

Product number: 850

Synonyms: Acid alcohol

Recommended use: Laboratory chemical

Company

Anatech Ltd 1020 Harts Lake Road Battle Creek, MI 49037, USA	24 hour Transportation Emergency Product Technical Information Supplier General Contact	800.424.9300 CHEMTREC 800.262.8324, M-F, 8 AM-5 PM, ET 800.262.8324, M-F, 8 AM-5 PM, ET
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SECTION 2: HAZARD(S) IDENTIFICATION

Classification of substance

Acute toxicity, oral (Category 4)

Flammable liquids (Category 2)

Skin corrosion/irritation (Category 1A)

Eye damage/irritation (Category 1)

Specific target organ toxicity, single exposure (STOT-SE) (Category 1)

Signal word

Danger

Hazard statement

Highly flammable liquid and vapor.

Causes severe skin burns.

Causes serious eye damage.

Specific target organ toxicity, single exposure (STOT-SE) (Category 1) (central nervous system depression)

Pictogram



Precautionary statements

Prevention

Wash exposed areas thoroughly after handling.

Do not eat, drink or smoke when using this product.

Do not breathe mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating and lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Response

Immediately call poison center or doctor.

If swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin/hair: Rinse skin with water/shower. Immediately remove all contaminated clothing.

Wash contaminated 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 present and easy to do.

Continue rinsing.

Specific treatment: See Section 4 of this SDS.

In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

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Storage

Store in a well-ventilated place.
Keep cool.
Store locked up.

Disposal

Dispose of contents/containers in accordance with governmental regulations.

Hazards not otherwise classified

None as defined under 29 CFR 1900.1200.

SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical name	CAS#	Concentration (w/w)
Acetic acid	64-19-7	11%
Reagent alcohol (ethanol content)	64-17-5	75%

SECTION 4: FIRST-AID MEASURES

Description of first-aid measures

Inhalation	Remove victim to fresh air if coughing or difficulty in breathing is experienced. Consult a physician if symptoms persist or worsen. Administer oxygen or artificial respiration as needed.
Eye	Flush eyes for at least 15 minutes in an eyewash station. Consult a physician.
Skin	Remove contaminated clothing, including footwear; wash before reuse or discard. For minor exposure, wash affected area with water and mild soap, rinsing thoroughly. In cases of prolonged, repeated or extensive exposure, rinse affected area or entire body for at least 15 minutes. Consult a physician.
Ingestion	Call a poison center immediately.

Important symptoms, acute and delayed

Causes severe skin irritations.
Causes serious eye damage.
Toxic if swallowed.
Toxic if absorbed through skin. May be harmful if inhaled. Causes respiratory irritation.

Recommendations for immediate medical care and special treatment

See listed first-aid procedures. Product contains alcohol. Symptoms will vary based on alcohol exposure. Acetic acid content is equivalent to vinegar solution. Treat according to symptoms.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable and unsuitable extinguishing media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the product

Hazardous products of combustion: carbon monoxide and carbon dioxide.

Special protective equipment/precautions for fire-fighters

Fire-fighters may wear self-contained breathing apparatus if necessary.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions

- Ensure adequate ventilation.
- Avoid inhalation of vapors.
- Avoid contact with skin and eyes.
- Eliminate sources of ignition.
- Take precautionary measures against static electricity.
- Vapors can accumulate in low areas.

Protective equipment

- Wear protective gloves, impermeable aprons and splash-proof goggles.

Emergency procedures

- See information in sub-section above.

Methods and materials for containment and cleanup

- Eliminate sources of ignition with large spills.
- Take precautionary measures against static electricity.
- Contain and soak up spill with inert absorbent material. Small spills can be cleaned with a damp sponge.
- Use clean non-sparking tools to collect absorbent materials.
- Discard absorbents and other contaminated solids in a suitable trash receptacle.
- Dispose absorbents and other contaminated solids as a hazardous waste.
- Wash contaminated area with soap and water.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

- Avoid contact with skin and eyes.
- Avoid inhalation of vapors.
- Wear protective gloves, impermeable aprons and splash-proof goggles.
- Keep away from sources of ignition.
- Use proper grounding procedures for storage and when moving to transfer containers.

Conditions for safe storage including incompatibilities

- Flammable liquid.
- Keep containers tightly closed in a dry and well-ventilated place.
- Store at room temperature in an approved flammable cabinet.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits

Chemical name	CAS#	Exposure Limit	Value
Acetic acid	64-19-7	OSHA (8 hr TWA)	10 ppm
Ethanol	64-17-5	OSHA (8 hr TWA)	1000 ppm

Appropriate engineering controls

- Good general room ventilation should be provided so that exposure limits are not exceeded.
- Provide exhaust ventilation to control vapors.

Personal protective measures

Respiratory protection	With adequate room ventilation, none needed for this concentration. When risk assessment shows one is necessary, wear respirator with multi-vapor cartridge.
Eye protection	Use splash-proof goggles. Wear face shield if splashing hazard exists. An eyewash station must be nearby, no more than 10 seconds away.
Skin protection	Wear nitrile or chemical resistant gloves. Do not use latex surgical gloves for protection. Safety shower must be nearby, no more than 10 seconds away.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear, colorless liquid
Odor	Characteristic ethanol odor; mild vinegar
Odor threshold	No data available
pH	No information available
Melting point/freezing point	No information available
Initial boiling point and boiling range	Estimate 173°F (78°C)
Flash point	Estimate 62°F (17°C), closed cup
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Solubility(ies)	Complete in water
Partition coefficient: n-octanol/water	No information available
Auto-ignition temperature	No information available
Decomposition	No information available
Viscosity	No information available

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No hazardous reactions if stored and handled as indicated.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reaction

The product is chemically stable.

Conditions to avoid

Heat, flames and sparks.
Temperatures greater than flash point.

Incompatible materials

Alkali, strong oxidants, strong inorganic acids.

Hazardous decomposition products

No hazardous decomposition products if stored and handled as indicated. Carbon oxides can form under fire conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure

Skin, eye, inhalation.

Symptoms related to physical, chemical and toxicological characteristics

Causes severe skin irritation.
Causes serious eye damage.
Ethanol content causes nervous system depression, narcosis, damage to heart.

Delayed and immediate effects

See information in sub-section above.

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Chronic effects from short and long-term exposure

No information available for this product.

Numerical measures of toxicity

The following data are for 100% ethanol.

Acute toxicity, inhalation (human)	LD _{LO} =1,400 mg/kg
Acute toxicity, oral (rat)	LD ₅₀ =7,069 mg/kg
Acute toxicity, inhalation (rat)	LC ₅₀ =20,000 ppm, 10 hrs

Assessment of other acute effects

Specific target organ toxicity, single exposure (STOT-SE): Ethanol content causes nervous system depression, narcosis, damage to heart.

Carcinogenicity

None as defined by 29 CFR 1900.1200.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

No environmental data is known for this product.
The following data are from studies using 100% ethanol.

LC=lethal concentration

Test	Duration	Organism	Test Results
Acute toxicity-fish	96 hours	<i>Oncorhynchus mykiss</i>	LC ₅₀ > 10,000 mg/l
	96 hours	<i>Pimephales promelas</i>	LC ₅₀ > 13,400 mg/l
Aquatic plants	96 hours	<i>Chlorella vulgaris</i>	1,000 mg/l (growth inhibition)
Toxicity to microorganisms	34 days	<i>Pseudmona putida</i>	6,500 mg/l Inhibition of cell multiplication begins

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Proper waste disposal is the generator's responsibility. Follow federal, state (provincial) and local regulations.

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SECTION 14: TRANSPORT INFORMATION

DOT (USA) and IATA

Proper Shipping Name: Flammable liquid, corrosive n.o.s. (ethanol, acetic acid)

Identification Number: UN2924

Hazard Class: 3 (8)

Packing Group: II

Marine pollutant

No information available.

SECTION 15: REGULATORY INFORMATION

OSHA Hazard Communication Standard

This product is considered hazardous in accordance with 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION

NFPA (National Fire Protection Association) Rating

General note: The ratings provide information to emergency personnel on the fire hazards associated with the chemical. It is not descriptive of hazards under normal conditions of occupational use.

Health	1	Materials that, under emergency conditions, can cause significant irritation.
Flammability	3	Materials that can be ignited under almost all ambient temperature conditions.
Instability	0	Materials that in themselves are normally stable, even under fire conditions.

Disclaimer

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Date of preparation

February 12, 2018