

1: Identification of substance / mixture

1. Product Identifier

Mixture

Product Name **Finishing Reagent**
Product Code WS0229
CAS Number 64-19-7
Other Names
IUPAC
MFCD Number
EC/EINECS 200-580-7
REACH Number

2. Relevant identified uses of the substance or mixture and uses advised against

Research and Development

3. Details of the supplier of the safety data sheet

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Hayward
CA
94545-3619
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4. Emergency telephone number

+1 (760) 476 3961

2. Hazards Identification

1. Classification of the substance or mixture

H315	Skin Irrit. 2	R38, R36/38, R36/37/38, R37/38
H317	Skin Sens. 1	R43, R42/43
H319	Eye Irrit. 2	R36, R36/37, R36/38, R36/37/38

No Resource File

2. Label elements

Signal Word **Warning**



Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary Phrases

Non Hazardous

3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet.

3. Composition / Information on Ingredients

1. Substances

No Resource File

2. Mixtures

Concentration	Product Name	CAS Number	EC/EINECS
>50%	Water	7732-18-5	
<10%	Acetic Acid	64-19-7	200-580-7

4. First Aid Measures

Safety Data Sheet

1. Description of first aid measures

<i>Skin Contact</i>	Wash immediately with plenty of soap and water. Consult a doctor.
<i>Eye Contact</i>	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms arise, consult a physician. Continue rinsing eyes during transport to hospital.
<i>Ingestion</i>	Never give anything by mouth to an unconscious person. Rinse mouth with water. If symptoms arise, call a physician. Do not induce vomiting without medical advice.
<i>Inhalation</i>	Move to fresh air. If symptoms arise, call a physician. If not breathing, give artificial respiration.

2. Most important symptoms and effects

May cause serious eye or skin irritation.

3. Indication of any immediate medical attention

No data available.

5. Firefighting measures

1. Extinguishing Media

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

Unsuitable NA

2. Special Hazards arising from the substance or mixture

In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

3. Advice for Fire Fighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

1. Personal Precautions

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

2. Environmental Precautions

Do not allow product to enter drains.

3. Methods & Materials

Absorb small spills with inert absorbant material. Transfer to a suitable, closed container for disposal.

4. Preventing the occurrence of secondary hazards.

NA

7. Handling and Storage

1. Personal Precautions

Safe Handling Avoid direct contact with the substance.

Protection against explosions and fires NA

2. Conditions for safe storage, including any incompatibilities

Managing Storage Risks Store in original containers, tightly closed, in a dry and well-ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage Controls NA

Maintaining Integrity NA

Other advice NA

3. Specific End Uses

The substance is supplied for Research and Development purposes by professionals only.

Safety Data Sheet

8. Exposure Controls/Personal Protection

1. Control Parameters

No Data Available

2. Exposure Controls

<i>General protective and hygiene measures</i>	P280: Wear protective gloves/protective clothing/eye protection/face protection.
<i>Engineering measures</i>	Ensure there is sufficient ventilation of the area.
<i>Eye / Face Protection</i>	Safety Glasses with side-shields.
<i>Hand protection</i>	Protective gloves. Gloves must be inspected prior to use. Use proper glover removal technique (without touching glove's outer surface) to avoid skin contact with this product.
<i>Respiratory protection</i>	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. Respiratory protection not required under conditions of normal use.
<i>Skin protection</i>	Protective clothing (safety glasses, gloves, lab coat).
<i>Other personal protection advice</i>	NA

9. Physical and Chemical Properties

1. Physical and Chemical Properties

Appearance	Clear liquid
Odour	pungent
Odour threshold	No Data Available
PH	No Data Available
Melting point / Freezing point	No Data Available
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability(solid,gas)	No Data Available
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	No Data Available
Solubility(ies):	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

2. Other Information

NA

10. Stability and Reactivity

1. Reactivity

Stable under recommended storage conditions.

2. Stability

Stable under recommended storage conditions.

3. Possibility of Hazardous Reactions

No data available.

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4. Conditions to Avoid

No data available.

5. Incompatible Materials

Oxidizing agents, metals, soluble carbonates and phosphates, hydroxides, peroxides, permanganates (e.g. potassium permanganate) amines, alcohols

6. Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions: carbon oxides

11. Toxicology information

1. Information

<i>Acute Toxicity</i>	No data available.
<i>Skin corrosion/irritation</i>	May cause skin irritation.
<i>Serious eye Damage/irritation</i>	May cause eye irritation.
<i>Respiratory or skin sensitisation</i>	No data available.
<i>Germ Cell mutagenicity</i>	No data available.
<i>Carcinogenicity</i>	No data available.
<i>Reproductive toxicity</i>	No data available.
<i>STOT-single exposure</i>	No data available.
<i>STOT-repeated exposure</i>	No data available.
<i>Aspiration hazard</i>	May be harmful if inhaled.

2. Additional

No data available.

12. Ecological Information

1. Toxicity

No data available.

2. Persistence and degradability

No data available.

3. Bio-Accumulative Potential

No data available.

4. Mobility and Soil

No data available.

5. Results of PBT & vPvB assessment

No data available.

6. Other adverse effects

No data available.

13. Disposal Considerations

1. Waste Treatment Methods

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Disposal Operations Contact a licensed professional waste disposal service to dispose of this material. Dispose of according to local regulations.

Disposal of Packaging Dispose of as unused product.

14. Transport Information

Air (ICAO)

1. **UN Number:**
2. **Shipping Name:** None Hazardous
3. **Transport hazard class(es):** : Sub Class :

4. **Packing group:**
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

Road (ADR)

1. **UN Number:**
2. **Shipping Name:** None Hazardous
3. **Transport hazard class(es):** : Sub Class :

4. **Packing group:**
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

Sea (IMDG)

1. **UN Number:**
2. **Shipping Name:** None Hazardous
3. **Transport hazard class(es):** : Sub Class :

4. **Packing group:**
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

15. Safety, health, environmental and national regulations

1. Safety, health, environmental and national regulations:

OSHA hazards: Target Organ Effect, Corrosive
SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA title III<Section 302.
SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimus) reporting levels establishes by SARA Title III, Section 313.
SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard

Massachusetts Right to Know Components: Acetic Acid CAS Number 64-19-7
Pennsylvania Right to Know Components: Water, Acetic Acid CAS Number 64-19-7

2. Safety Assessment

No Chemical Safety Assessment

16. Other Information

1. Other Information:

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route(European Agreement concerning the International Carriage of Dangerous Goods by road)

RID: Reglement International concernant le transport des marchandises dangereuses par chemin de fer (Regulations concerning the International transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

2. Associated risk phrases according to european directive 67/548/EEC

R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.
R42/43	May cause sensitization by inhalation and skin contact.
R43	May cause sensitisation by skin contact.



3. Disclaimer

The above information is supplied in good faith and is believed to be correct. It does not claim to be all-inclusive and is intended to be used only as a guide. Final determination of the suitability of any material is the sole responsibility of the user. ProZyme shall not be held responsible for any damage resulting from handling or contact with the above product. This product is intended for *in vitro* research only.

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