

Response P314 Get medical advice/attention if you feel unwell
 P308 + P313 IF exposed or concerned:
 Get medical advice/attention
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

C. Other hazards (according to the NFPA Rating System)

None

3. Composition & Information on Ingredients

Chemical Identity	Common Name	CAS Number	% Volume
EDTA(Ethylenediamine tetra-acetic acid)	-	60-00-4	15~17
UHP(Urea Hydrogen peroxide)	-	124-43-6	3~10

4. First Aid Measures

- A. Eyes** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- B. Skin** Wash off with soap and plenty of water. Consult a physician.
- C. Inhalation** If breathed in, move person into fresh air, If not breathing, give artificial respiration. Consult a physician.
- D. Ingestion** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult physician.
- E. Notes to Physicians** N/A

5. Fire Fighting Measures

A. Appropriate Extinguishing Media

Suitable extinguishing media

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

B. Specific hazard arising from the chemical

Containers may explode when heated.

Fire may produce irritating, corrosive and/or toxic gases.

C. Special Protective Equipment & Precautions for Fire-fighters

Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

6. Accidental Release Measures

A. Protective equipment & Emergency procedures

Use personal protective equipment. Ensure adequate ventilation.

B. Environmental precautions

Do not let product enter drains.

C. Purification / Removal Method

Sweep up, place in a bag and hold for waste disposal.

7. Handling & Storage

A. Safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

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

B. Conditions for Safe Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure control & Personal protection

A. Exposure Limits for Chemical Substances & Biological Exposure Limits

N/A

B. System Design (Proper Engineering Controls)

N/A

C. Personal protective equipment

Respiratory protection

N/A

Eye protection

Tightly sealed goggles

Hand protection

Protective gloves

Skin & body protection

Impervious clothing

9. Physical & Chemical Properties

A. Appearance

Physical state

Cream type

Color

White

B. Odor

N/A

C. Odor threshold value

N/A

D. pH

Neutral

E. Melting point/Freezing point

60-00-4 : melting point 245 °C

F. Initial boiling point & Boiling range

N/A

G. Flash point

N/A

H. Evaporation rate

N/A

I. Flammability (solid, gas)

N/A

J. Maximum / minimum of the flammable or explosive limits

N/A

K. Vapor pressure

N/A

L. Water Solubility

60-00-4 : 0.05g/100ml : 124-43-6 : 800g/ℓ

M. Vapor density

N/A

N. Relative density

1.059

O. Partition coefficient: n-Octanol/water

N/A

P. Autoignition temperature

60-00-4 : 350 °C

Q. Decomposition temperature

60-00-4 : 150 °C

R. Viscosity

N/A

S. Molecular weight

60-00-4 : 292.25 : 124-43-6 : 94.07

10. Stability & Reactivity

A. Chemical stability & Possibility of hazardous reactions	The product is stable under normal storage/handling conditions Reacts with flammable substances.
B. Conditions to avoid	Contact with incompatible materials. Open flames. Heat
C. Incompatible materials	Strong oxidizing agents.
D. Hazardous decomposition or byproduct	Carbon oxides, Nitrogen oxides

11. Toxicological Information

A. Possible routes of exposure	N/A
B. Information on harmful health effects / Acute toxicity (Symptoms related to the physical, chemical and toxicological characteristics)	
Acute toxicity	
Cytotoxicity	Grade 1 Slight : some malformed or degenerated cells under specimen
Dermal	N/A
Inhalation	N/A
Skin corrosion/Irritation	N/A
Serious Eyes damage/Irritation	60-00-4: rabbit : symptom disappear after 8 days
Respiratory sensitization	N/A
Skin sensitization	N/A
Carcinogenicity	N/A
Industrial Safety and Health Act	N/A
Notification of the Ministry of Employment and Labor	N/A
IARC	N/A
OSHA	N/A
ACGIH	N/A
NTP	N/A
EU CLP	N/A
Germ cell mutagenicity	N/A
Reproductive Toxicity	60-00-4: cat.2; Teratogenic 12th, 2007
Specific Target Organ Toxicity (Single Exposure)	N/A
Specific Target Organ Toxicity (Repeated Exposure)	N/A
Aspiration (Inadvertent Suction) Toxicity	N/A
Delayed and immediate effects and also chronic effects from short-and long-term exposure	

12. Ecological information

A. Ecotoxicity	
Aquatic toxicity	60-00-4 : Harmful to aquatic life Harmful to aquatic life with long lasting effects
Aquatic acute toxicity component data	60-00-4 : Fish(bluegill) LC50 =41mg/L/96hr
B. Persistence & Degradability	60-00-4 : BOD degradation 0%
C. Bioaccumulative potential	60-00-4 : BCF(2mg/L)=2.7~12 BCF(0.2mg/L)27~123
D. Mobility in soil	N/A
E. Other adverse effects	N/A

13. Disposal Considerations

A. Waste treatment methods

Recommendation : Must not be disposed of together with household garbage.

Do not allow product to reach sewage system.

Avoid release to the environment

Dispose of contents/container in accordance with local/national regulation.

14. Transport Information

A. UN Number

Classification information on transportation of hazardous materials not available

B. Proper shipping name

N/A

C. Hazard class

N/A

D. Packing Group

N/A

E. Marine pollutant

N/A

F. Any special precautions which an user should be aware of or needs to comply with, in connection with transport or conveyance either within or outside their premises (Special precautions which a user needs to be aware of or needs to comply outside their premises with in connection with transport or conveyance either within or outside their premises)

Emergency procedures in case of fire

N/A

Emergency procedures in case of spill/leak

N/A

15. Regulatory Information

A. Regulations according to the Industrial Safety and Health Act

N/A

B. Regulations according to the Toxic Chemicals Control Act

60-00-4, 124-43-6 : All components of this product are listed in the U.S. Environmental protection Agency Toxic substances control Act chemical substance Inventory.

C. Regulations according to the Safety Control of Dangerous Substances Act

N/A

D. Regulations according to the Wastes Control Act

N/A

E. Other regulations according to domestic and foreign laws

- All components of this product are listed on the Canadian Non-Domestic substances List(NDSL).
- Follow the regulations of the KFDA (Korea Food & Drug Administration).
- Follow the regulations of the Directive 93/42/EEC and 2007/42/EC.

F. Chemical Safety Assessment

- 124-43-6: A chemical safety assessment has not been carried out.
- Follow the regulations of the KFDA (Korea Food & Drug Administration).
- Follow the regulations of the Directive 93/42/EEC and 2007/42/EC.

16. Other Information (Other information including information on preparation and revision of the SDS)

A. Source of Data

N/A

B. Date of Creation

09 / 01 / 2018

C. Revision Number and Revision Date

Version No.

0

Date of Last Revision

N/A

E. Other Information

The information and recommendations are taken from sources (raw material SDS(s) and manufacturer's knowledge) believed to be accurate and reliable. It is intended to describe the product according to various safety requirements; however, the manufacturer makes no warranty with respect to the accuracy and completeness of the information or the suitability of the recommendation and assumes no liability to any user thereof.