1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifiers

Product code	0003
Product name	1.0 N Hydrochloric Acid

1.2. Alternate product names None

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

Identified Uses	Used in acid base titrations as well as a strong solvent.

1.4. Details of the supplier of the safety data sheet

Manufacturer	Hydrite Chemical Company 17385 Golf Parkway Brookfield, WI 53045 (262) 792-1450

1.5. Emergency telephone number

Emergency phone#	Chemtrec: (800) 424-9300

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Corrosive to metals (Category 1), H290
Skin corrosion (Category 1B), H314
Serious eye damage (Category 1), H318

2.2. GHS Label elements, including precautionary statements

Pictogram:

Signal Word: Danger

Hazard Statement(s)

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary Statement(s)

P234 Keep only in original container.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face 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 victim to fresh air and keep at rest in a position comfortable for breathing.
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.
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P405 Store locked up.
P406 Store in corrosive resistant stainless steel container with a resistant inner liner.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3. Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance/Mixture

Chemical	CAS No.	Percentage	Classification	Other Limits
Hydrochloric Acid	7647-01-0	<5	Met. Corr. 1; Skin Corr. 1B; Eye Dam. 1; STOT SE 3; H290, H314, H335	

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin Contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.Continue rinsing eyes during transport to hospital.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (section 2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Hydrogen chloride gas

5.3. Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary

5.4. Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

6.2. Environmental precautions

Do not let product enter drains

6.3. Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

See section 8 and 13 for further information

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid inhalation of vapour or mist.

For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

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 CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

See section 3.

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact - Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 480 min

Material tested:Camatril® (KCL 730 / Aldrich Z677442, Size M)

Splash contact - Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 120 min

Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Odor	No data available
Odor 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
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

This product is stable and nonreactive under normal conditions of use, storage, transport.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

no data available

10.4. Conditions to avoid

no data available

10.5. Incompatible materials

Bases, Amines, Alkali metals, Metals

10.6. Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrochloric acid)

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as aknown or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity (Aquatic and Terrestrial)

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. TRANSPORT INFORMATION

14.1. DOT (U.S. Department of Transportation)

UN number	1789
UN proper shipping name	Hydrochloric acid
Transport hazard class(es)	8
Packing group	III
Reportable Quantity (RQ)	
Marine Pollutant	No
Poison Inhalation Hazard	No

14.2. IMDG (International Maritime Dangerous Goods)

UN number	1789
UN proper shipping name	Hydrochloric acid
Transport hazard class(es)	8
Packing group	III
Marine Pollutant	No

14.3. IATA (International Air Transport Association)

UN number	1789
UN proper shipping name	Hydrochloric acid
Transport hazard class(es)	8
Packing group	III

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/substance specific legislation

CERCLA RQ:	CERCLA RQ - Hydrochloric Acid, 5000#
TSCA:	All ingredients are listed on the TSCA inventory.
Prop 65:	No
SARA 311/312:	Acute Health Hazard
SARA 313 Chemicals:	Hydrochloric acid/7647-01-0
State Right to Know:	Hydrochloric Acid/7647-01-0, /, /, /, /
Other information:	

Please consult relevant federal and local regulations for additional details.

16. OTHER INFORMATION

HMIS Rating

Health hazard	3
Flammability	0
Physical hazard	0
Personal protection	

NFPA Rating

Health hazard	3
Fire hazard	0
Reactivity hazard	0
Specific hazard	0

Eye Dam. Serious eye damage
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
Met. Corr. Corrosive to metals
Skin Corr. Skin corrosion
STOT SE Specific target organ toxicity - single exposure

Preparation Information

WET International
316 Roma Jean Parkway
Streamwood, IL 60107

(630) 540-2113

Revision Date: 1/4/2022

Print Date: 7/14/2023

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifiers

Product code	0014
Product name	0.005 N SLS Solution

1.2. Alternate product names

None

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

Identified Uses	Anionic Surfactant/Detergent

1.4. Details of the supplier of the safety data sheet

Manufacturer	Hydrite Chemical Company 17385 Golf Parkway Brookfield, WI 53045 (262) 792-1450

1.5. Emergency telephone number

Emergency phone#	Chemtrec: (800) 424-9300

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation (Category 2), H315

2.2. GHS Label elements, including precautionary statements

Pictogram:

Signal Word: Warning

Hazard Statement(s)

H315 Causes skin irritation.

Precautionary Statement(s)

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
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.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents/ container to an approved waste disposal plant.

2.3. Hazards not otherwise classified (HNOC) or not covered by GHS

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance/Mixture

Chemical	CAS No.	Percentage	Classification	Other Limits
Sodium Lauryl Sulfate	151-21-3	1.45	Flam. Sol. 2; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; Aquatic Acute 2; Aquatic Chronic 3; H228, H302 + H332, H315, H318, H335, H401, H412	

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin Contact

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.Continue rinsing eyes during transport to hospital.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3. Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Carbon oxides, Sulphur oxides, Sodium oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4. Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
For personal protection see section 8.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3. Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

See section 8 and 13 for further information

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Normal measures for preventive fire protection.
For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

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 CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

See section 3.

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Form: clear, liquid
Colour: colourless	
Odor	No data available
Odor 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
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

This product is stable and nonreactive under normal conditions of use, storage, transport.

10.2. Chemical stability

Chemically Stable

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Oxidizing agents

10.6. Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

No data available

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

RTECS: Not available

The sodium salt of dodecyl sulfate has been reported to cause pulmonary sensitization resulting in hyperactive airway dysfunction and pulmonary allergy accompanied by fatigue, malaise, and aching. Significant symptoms of exposure can persist for more than two years and can be activated by a variety of nonspecific environmental stimuli such as automobile exhaust, perfumes, and passive smoking., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Liver - Irregularities - Based on Human Evidence

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity (Aquatic and Terrestrial)

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

14.1. DOT (U.S. Department of Transportation)

UN number	Not Regulated
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Packing group	N/A
Reportable Quantity (RQ)	N/A
Marine Pollutant	No
Poison Inhalation Hazard	No

14.2. IMDG (International Maritime Dangerous Goods)

UN number	Not Regulated
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Packing group	N/A
Marine Pollutant	No

14.3. IATA (International Air Transport Association)

UN number	Not Regulated
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Packing group	N/A

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/substance specific legislation

CERCLA RQ:	No
TSCA:	All ingredients are listed on the TSCA inventory.
Prop 65:	No
SARA 311/312:	No SARA Hazards
SARA 313 Chemicals:	No
State Right to Know:	Sodium Lauryl Sulfate/151-21-3, /, /, /, /

Other information:

Please consult relevant federal and local regulations for additional details.

16. OTHER INFORMATION

HMIS Rating

Health hazard	2
Flammability	0
Physical hazard	0
Personal protection	

NFPA Rating

Health hazard	2
Fire hazard	0
Reactivity hazard	0
Specific hazard	

Acute Tox. Acute toxicity
Aquatic Acute Acute aquatic toxicity
Aquatic Chronic Chronic aquatic toxicity
Eye Dam. Serious eye damage
Flam. Sol. Flammable solids
H228 Flammable solid.
H302 + H332 Harmful if swallowed or if inhaled
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H401 Toxic to aquatic life.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects.
Skin Irrit. Skin irritation
STOT SE Specific target organ toxicity - single exposure

Preparation Information

WET International
316 Roma Jean Parkway
Streamwood, IL 60107
(630) 540-2113
Revision Date: 1/4/2022
Print Date: 7/14/2023

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifiers

Product code	0016
Product name	0.04% w/v Quat Indicator

1.2. Alternate product names Congo Red Indicator Solution

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

Identified Uses	Used as an indicator for cationic and anionic titrations

1.4. Details of the supplier of the safety data sheet

Manufacturer	Hydrite Chemical Company 17385 Golf Parkway Brookfield, WI 53045 (262) 792-1450

1.5. Emergency telephone number

Emergency phone#	Chemtrec: (800) 424-9300

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Eye irritation (Category 2A), H319
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. GHS Label elements, including precautionary statements

Pictogram:
Signal Word: Warning

Hazard Statement(s)
H319 Causes serious eye irritation.
Precautionary Statement(s)
P264 Wash skin thoroughly after handling.

P281 Use personal protective equipment as required.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3. Hazards not otherwise classified (HNOC) or not covered by GHS

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance/Mixture

Chemical	CAS No.	Percentage	Classification	Other Limits
Congo Red	573-58-0	0.04	Eye Irrit. 2A; Carc. 1B; Repr. 2; H319, H350, H361	

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin Contact

Wash off with soap and plenty of water. Consult a physician.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3. Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Sodium oxides

5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4. Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3. Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

See section 8 and 13 for further information

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

For precautions see section 2.2

7.2. Conditions for safe storage, including any incompatibilities

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

See section 3.

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Red Liquid
Odor	Odorless
Odor 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
Vapor pressure	No data available
Vapor density	No data available
Relative density	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity

This product is stable and nonreactive under normal conditions of use, storage, transport.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents

10.6. Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity (Aquatic and Terrestrial)

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1. Disposal methods

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. TRANSPORT INFORMATION

14.1. DOT (U.S. Department of Transportation)

UN number	Not Regulated
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Packing group	N/A
Reportable Quantity (RQ)	N/A
Marine Pollutant	No
Poison Inhalation Hazard	No

14.2. IMDG (International Maritime Dangerous Goods)

UN number	Not Regulated
UN proper shipping name	N/A

Transport hazard class(es)	N/A
Packing group	N/A
Marine Pollutant	No

14.3. IATA (International Air Transport Association)

UN number	Not Regulated
UN proper shipping name	N/A
Transport hazard class(es)	N/A
Packing group	N/A

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/substance specific legislation

CERCLA RQ: No
TSCA: All ingredients are listed on the TSCA inventory.
Prop 65: No
SARA 311/312: No SARA Hazards
SARA 313 Chemicals: No
State Right to Know: Congo Red/573-58-0, /, /, /, /
Other information:

Please consult relevant federal and local regulations for additional details.

16. OTHER INFORMATION

HMIS Rating

Health hazard	2
Flammability	0
Physical hazard	0
Personal protection	

NFPA Rating

Health hazard	2
Fire hazard	0
Reactivity hazard	0
Specific hazard	0

Eye Irrit. Eye irritation
H319 Causes serious eye irritation.

Preparation Information

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