

Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier

Product name **PeraBright 5% Peracetic Acid Solution**
Product number 262
Brand Crown Chemical, Inc.

1.2 Other means of identification

PeraBright 5% Peracetic Acid Solution

1.3 Recommended use of the chemical and restrictions on use

Bleaching and deodorizing

1.4 Supplier's details

Name Crown Chemical, Inc.
Address 4701 W. 136th. St.
Crestwood, Illinois 60418
U.S.A.
Telephone 708-371-6990
Fax 708-371-6992
email info@crown-chem.com

1.5 Emergency phone number(s)

800-535-5053

SECTION 2: Hazard identification

General hazard statement

Causes serious eye damage; Causes severe skin burns and eye damage; Harmful if swallowed; May intensify fire; oxidizer

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1A
- Acute toxicity, oral, Cat. 4
- Oxidizing liquids, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



1. Corrosion; 2. Exclamation mark; 3. Flame over circle

Signal word

Danger

Hazard statement(s)

H318 Causes serious eye damage
H314 Causes severe skin burns and eye damage
H302 Harmful if swallowed
H272 May intensify fire; oxidizer

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Precautionary statement(s)

P280	Wear eye protection/face protection/protective gloves/protective clothing.
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/doctor for treatment advice.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands & skin thoroughly after handling.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363	Wash contaminated clothing before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P321	Specific treatment (see details on label).
P405	Store locked up.
P501	Dispose of contents and container in accordance with all local, state, national and international regulations.
P270	Do not eat, drink or smoke when using this product.
P301+P312	IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell.
P330	Rinse mouth.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P220	Keep/Store away from clothing/.../combustible materials.
P221	Take any precaution to avoid mixing with combustibles/...
P370+P378	In case of fire: Use ... to extinguish.

2.3 Other hazards which do not result in classification

None identified

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Corrosive Mixture; Oxidizing Liquid

Components

1. Hydrogen peroxide

Concentration	20 - 30 % (By Weight)
EC no.	231-765-0
CAS no.	7722-84-1
Index no.	008-003-00-9

- Oxidizing liquids, Cat. 1
- Skin corrosion/irritation, Cat. 1A
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4

H271	May cause fire or explosion; strong oxidizer
H314	Causes severe skin burns and eye damage

2. Sodium dichloroisocyanurate dihydrate

Concentration	1 - 10 % (By Weight)
EC no.	220-767-7
CAS no.	51580-86-0
Index no.	613-030-01-7

- Acute toxicity, oral, Cat. 4
- Eye damage/irritation, Cat. 2A
- Hazardous to the aquatic environment - acute hazard, Cat. 1
- Hazardous to the aquatic environment - long-term hazard, Cat. 1
- Specific target organ toxicity, single exposure, Cat. 3

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H302	Harmful if swallowed
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

3. PERACETIC ACID

Concentration	1 - 10 % (By Weight)
EC no.	201-186-8
CAS no.	79-21-0
Index no.	607-094-00-8

- Flammable liquids, Cat. 3
- Organic peroxides, Type D
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Acute toxicity, oral, Cat. 4
- Skin corrosion/irritation, Cat. 1A
- Hazardous to the aquatic environment, short-term (acute), Cat. 1

H226	Flammable liquid and vapor
H242	Heating may cause a fire
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
H400	Very toxic to aquatic life

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Do not breathe vapors or mists. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective rubber gloves and chemical splash goggles or face shield when using this product. If inhalable particles of vapors or mists may occur during use, wear NIOSH approved respiratory protection. Mix ONLY with water. Keep away from heat, sparks, open flames and hot surfaces. Store away from clothing, cardboard, paper, rags and other combustible materials. Take any precaution to avoid mixing with combustibles. Keep only in original container. Keep in cool, well-ventilated area.
If inhaled	Remove person to fresh air and keep comfortable for breathing. Immediately call a Poison Control Center or doctor for treatment advice.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Immediately call a Poison Control Center or doctor for treatment advice.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice.

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If swallowed

Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

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

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat exposure symptomatically. In all cases of eye contact, ingestion, or inhalation, contact a doctor or Poison Control Center immediately. Monitor exposed individuals for 72 hours for delayed onset of lung injury resulting in pulmonary edema and pneumonitis.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

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

5.2 Specific hazards arising from the chemical

Decomposition Byproducts: Oxygen gas.

5.3 Special protective actions for fire-fighters

Evacuate area. Risk of explosion. Decomposition will release of oxygen, which will intensify fire. Closed containers may explode due to heat from fire. Cool with water spray. No responsive action should be taken without proper training.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes, skin or clothing. Avoid inhalation of vapor or mists. Use in a well ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Hydrogen peroxide (CAS: 7722-84-1)

PEL (Inhalation): 1.4 mg/m³; USA (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1 ppm; USA (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1 ppm; USA (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 1 ppm; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

2. Sodium dichloroisocyanurate dihydrate (CAS: 51580-86-0 EC: 220-767-7)

PEL-TWA (Inhalation): 15 mg/m³ (OSHA)
Inert or Nuisance Dust- Respirable fraction

TLV® (Inhalation): 3 mg/m³ (ACGIH)
For Particles (Insoluble or Poorly Soluble) Not Otherwise Specified -respirable

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Wear chemical splash goggles or face shield when using this product.

Skin protection

Wear protective rubber gloves, a long sleeve shirt and, if necessary, a rubber apron to prevent contact.

Body protection

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid contact with clothing or shoes. Wash these items before reuse. Avoid wearing contact lenses when using this product.

Respiratory protection

Wear a NIOSH respirator approved for corrosive vapors or mists.

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Colorless Liquid
Odor	Characteristic
Odor threshold	No data available.
pH	<1.0 (full strength)

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Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	>200°F
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	>1.10
Solubility(ies)	Miscible
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.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is highly reactive with acids, bases, metals, oxidizing agents, reducing agents, organic and combustible materials. Reactions may produce hazardous conditions, including violent splattering of corrosive materials and emission of oxygen gas, which is flammable. NEVER mix this product with other chemicals. Mix this product ONLY with water.

10.2 Chemical stability

Product is stable under normal storage and usage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Acids, bases, metals, reducing agents, organic and combustible materials.

10.6 Hazardous decomposition products

Oxygen gas, potentially causing fire.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Skin corrosion/irritation

Irritation, pain, redness, blistering.

Serious eye damage/irritation

Irritation, pain, redness, watering.

Respiratory or skin sensitization

Coughing, choking, respiratory tract irritation, breathing difficulty.

Germ cell mutagenicity

No data available.

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Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

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

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

No specific data available for this mixture. Hydrogen Peroxide is known to be moderately toxic to aquatic life.

Persistence and degradability

No data available on product

Bioaccumulative potential

No data available on product

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: Disposal considerations

Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging

Dispose of as unused product.

Other disposal recommendations

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

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SECTION 14: Transport information

DOT (US)

UN Number: UN 3149

Class: 8

Packing Group: II

Proper Shipping Name: UN 3149, Hydrogen Peroxide and Peroxyacetic Acid Mixture, Stabilized, 5.1 (8), PG II

Reportable quantity (RQ): None

Marine pollutant: Hydrogen Peroxide

Poison inhalation hazard: None

Note: Certain package sizes of this product may qualify for exceptions to DOT's packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

Hydrogen peroxide, CAS-Number: 7722-84-1

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Reactivity Hazard, Acute Health Hazard, Chronic Health Hazard

New Jersey Right To Know Components

Water, CAS-number: 7732-18-5

Hydrogen peroxide, CAS number: 7722-84-1

Troclosene sodium, dihydrate, CAS: 51580-86-0

PEROXYACETIC ACID, CAS number: 79-21-0

Pennsylvania Right To Know Components

Water, CAS-number: 7732-18-5

Hydrogen peroxide, CAS number: 7722-84-1

Troclosene sodium, dihydrate, CAS: 51580-86-0

Ethaneperoxoic acid, CAS number: 79-21-0

Massachusetts Right To Know Components

Hydrogen peroxide, CAS number: 7722-84-1

Troclosene sodium, dihydrate, CAS: 51580-86-0

Ethaneperoxoic acid, CAS number: 79-21-0

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.