

SAFETY DATA SHEET

GHS FORMAT

IKONICS®

Date issued : 12/06/2022
 SDS number : 1010
 Date revised : 12/13/2022
 Revision number : 2

AUTO STRIP

1. Identification

Product identifier: AUTO STRIP
Active ingredient(s): Periodic Acid

Manufacturer / Supplier

IKONICS
 4832 Grand Ave.
 Duluth, MN 55807

Alternate Emergency Phone: 800-328-4261

Customer Service: 218-628-2217

E-Mail: sds@ikonics.com

Web: www.ikonics.com

Emergency telephone number (24 hour)

CHEMTREC + 1 800-424-9300

2. Hazard identification

Classification of the substance or mixture

Health hazards:

Skin Corrosion, Category 1C
 Serious Eye Damage, Category 1
 Target Organ Toxicity (Repeated exposure), Category 1

Environmental hazards:

Aquatic Toxicity, Category 1

Physical hazards:

Oxidizing Liquids, Category 1

Label elements



Flame over
circle



Corrosion



Health
hazard



Environment

Signal word: DANGER

Hazard statement(s)

H271: May cause fire or explosion; strong oxidizer.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H371: May cause damage to organs (or state all organs affected, if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H400: Very toxic to aquatic life.

Precautionary statement(s)

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P220: Keep away from clothing and other combustible materials.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P283: Wear fire resistant or flame retardant clothing.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash skin thoroughly after handling.

P273: Avoid release to the environment.

Response:

P306+P360: IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.

P371+P380+P375: In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

P370+P378: In case of fire: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide to extinguish.

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 [or shower].

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310: Immediately call a POISON CENTER/doctor/physician.

P321: Specific treatment (see ... on this label).

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

P391: Collect spillage.

Storage:

P420: Store separately.

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance to federal/state/local regulations.

Emergency overview

Immediate concerns: Corrosive. This material is corrosive to skin and eye tissue, causes burns and severe pain.

Target organ statement: Respiratory system: lungs, thyroid gland

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.	Classification according to Regulation (EC) No 1272/2008 [CLP]
Periodic Acid	10 - 30	10450-60-9	Not classified

4. First-aid measures

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

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

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

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

5. Fire-fighting measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous combustion products: Not Available

Fire fighting procedures: Use water spray to cool unopened containers.

Fire fighting equipment: Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental release measures

Small spill: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Clean surface thoroughly to remove residual contamination.

Large spill: Wear suitable protective equipment. Contain spill. Soak up with absorbent material and transfer to a container for disposal according to local/state/federal regulations.

Environmental precautions

Water spill: Do not allow uncontrolled discharge of product into the environment.

7. Handling and storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

Shelf life: 24 months

8. Exposure controls/personal protection

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

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US).

Skin protection - hand 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.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) 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).

Skin protection - other: Apron recommended.

Occupational hygiene practices: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. Physical and chemical properties

Physical state: Liquid

Color: Colorless

Odor: Slight

pH: < 2.0

Freezing point: Not Available

Initial boiling point and boiling range: Not Available

Flash point: Not Available

Evaporation rate (n-butyl acetate = 1): Not Available

Explosion limit / flammability limit notes: Not Available

Vapor pressure: Not Available

Relative vapor density: Not Available

Relative density: 1.3

Solubility: Not Available

Auto-ignition temperature: Not Available

Decomposition temperature: Not Available

Viscosity: Not Available

Molecular weight: Not Available

Pour point: Not Available

VOC content: 0 g/L

10. Stability and reactivity

Reactivity: Yes

Dangerous polymerization: Will not occur

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Avoid contact with acids. Generates toxic gas in contact with acid. Strong oxidizer - avoid contact with reducing agents. Avoid exposure to high temperatures or direct sunlight. Protect against physical damage and/or friction.

Hazardous decomposition products: Not Available

Incompatible materials: Strong reducing agents, Powdered metals, Strong bases, Dimethyl sulfoxide. (DMSO)

11. Toxicological information

Acute toxicity

Acute dermal toxicity LD₅₀: Not yet Determined

Acute oral toxicity LD₅₀: Not yet Determined

Acute inhalation toxicity LC₅₀: Not yet Determined

Carcinogenicity

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

12. Ecological information

Environmental data: No specific data are available for this product. Handle it according to good working practices.

13. Disposal considerations

Disposal methods: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. 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.

Empty container: Dispose of as unused product in accordance with all LOCAL, STATE, or FEDERAL applicable regulations.

14. Transport information

USA Department of Transport Regulations (DOT)

UN proper shipping name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (CONTAINS PERIODIC ACID)

UN number: UN3264

Transport hazard class(es): 8

Packing group, if applicable: III

Hazard label:



Special shipping notes: Protect from freezing.

ICAO / IATA - air

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UN number: UN3264

Transport hazard class(es): 8

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Hazard label:

Note: Passenger air max: 5L

15. Regulatory information**UNITED STATES****SARA Section 311/312 Hazard Categories**

311/312 Health hazards: REACTIVITY HAZARD, ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status: None

TSCA (The Toxic Substances Control Act)

TSCA regulatory: All intentional ingredients are listed on the TSCA Inventory.

Regulations

State regulations: CAS # 10450-60-9 New Jersey Right To Know Component, Pennsylvania Right To Know Components

California Proposition 65: None

CANADA**WHMIS Hazard Symbol and Classification**

Corrosive



Oxidizing



Toxic

WHMIS Regulatory Status: Controlled Product

WHMIS Classification: C, D, E

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL): All components of this product are listed on the Domestic Substances List.

16. Other information

Approved by: Troy Bergstedt **Title:** Director of Chemical Research

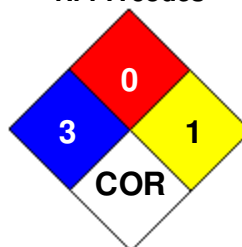
Prepared by: Troy Bergstedt **Date revised:** 12/13/2022

Information contact: Troy Bergstedt

Revision summary: This SDS replaces the 12/06/2022 SDS. Revised: **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating

Health	3
Flammability	0
Physical hazard	1
Personal protection	J

NFPA codes

HMIS ratings notes: Personal Protection - J (when in concentrated form), B (when diluted 1:80)

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