

SECTION 1. IDENTIFICATION

GHS PRODUCT IDENTIFIER: Alchemco Clean & Repair Rust Converter & Inhibitor
OTHER MEANS OF IDENTIFICATION: ACR[®] Rust Converter & Inhibitor
ACR-RC032
PRODUCT CODE: ACR-RC001
ACR-RC005
PRODUCT TYPE: Rust Neutralizer
IDENTIFIED USES: Rust Neutralizer
SUPPLIER / MANUFACTURER: Alchemco, A division of MBC North America, Inc
3532 Mayland Court, Henrico, VA 23233
800-610-2895
EMERGENCY TELEPHONE NUMBER WITH HOURS OF OPERATION: 800-610-2895 24 hours

SECTION 2. HAZARDS IDENTIFICATION

OSHA/MCS STATUS: Corrosive
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE: Skin Corrosion/Irritation: Category 1B
Serious Eye Damage: Category 1
Acute Toxicity, Inhalation: Category 4

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS:



SIGNAL WORD: DANGER

HAZARD STATEMENTS: Causes severe skin burns and serious eye damage. Harmful if inhaled. May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

PREVENTION: Do not breathe dust, fumes, gas, mist, vapors or spray. Use only outdoors or in a well ventilated area. Do not get in eyes, on skin, or on clothing. Wear protective gloves and clothing. Wear eye face protection. Do not eat, drink or smoke when using this product.

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- RESPONSE:** **If Swallowed:** Rinse mouth. Do NOT induce vomiting.
If on Skin (or Hair): Immediately take off all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before use.
If Inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center or physician.
If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison or control center or physician.
In case of Fire: Use appropriate media to extinguish.
- STORAGE:** Keep out of reach of children and animals. Do not allow product to freeze. Keep container tightly closed. Store in a well ventilated place. Store locked up.
- DISPOSAL:** Dispose of contents or container in accordance with local/regional/national/international regulations.
- HAZARDS NOT OTHERWISE CLASSIFIED (NHOC):** None known.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

| MATERIAL | CAS# | % | SARA 313 REPORTABLE | EXPOSURE LIMITS |
|-----------------|-------------|-------|---------------------|-----------------|
| Phosphoric Acid | 7664-38-2 | 10-80 | None | N/E |
| Proprietary | Proprietary | 60-90 | None | N/E |

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES

- EYE CONTACT:** Open eyelids and rinse immediately with clean water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
- INHALATION:** Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, administer oxygen. In case of respiratory arrest, administer artificial respiration. Seek medical attention if problems continue or develop.
- SKIN CONTACT:** Remove contaminated clothing and/or footwear. Flush skin with water for several minutes. Launder clothing before reuse. Seek medical attention if irritation or burning persists.
- INGESTION:** Rinse mouth with water. Do not induce vomiting. Dilute with several glasses of milk. Seek medical attention immediately or call poison control center.

MOST IMPORTANT SYMPTOMS, EFFECTS, ACUTE AND DELAYED POTENTIAL ACUTE HEALTH EFFECTS

- EYE CONTACT:**
INHALATION:
SKIN CONTACT:
INGESTION:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

OVER-EXPOSURE SIGNS/SYMPTOMS

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EYE CONTACT:

INHALATION:

SKIN CONTACT:

INGESTION:

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES PHYSICIAN: If exposed or concerned, seek medical attention. Ensure medical personnel are aware of material involved and take measures to protect themselves. Show this SDS to the doctor in attendance.

SPECIFIC TREATMENTS:

PROTECTION OF FIRST-AIDERS:

SECTION 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate for circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA: None known.

UNUSUAL FIRE AND EXPLOSION HAZARDS: There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

SPECIAL PROTECTIVE EQUIPMENT/ INSTRUCTION FOR FIRE-FIGHTERS:

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PROCEDURE: Wear appropriate protective equipment to prevent any contamination of skin, eyes and personal clothing. Refer to Section 8 for PPE.

ENVIRONMENTAL PRECAUTIONS:

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

SMALL SPILL: Contain spill area and prevent entry into waterways, sewers or basements. Absorb, sweep, scoop material and place into chemical waste containers. Neutralize remaining residual with appropriate materials. Do not release into drains, surface and ground water. Dispose of according to Federal, State and Local regulations.

LARGE SPILL: Large spills should be handled by trained personnel with appropriate protective clothing and equipment. Spills in reportable quantities must be reported as per US Regulations (CERCLA).

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES: Wear appropriate personal protective equipment (PPE). Do not breathe mist, vapors, spray or fumes. Do not get in eyes, skin, or on clothing. Avoid prolonged exposure. Do not taste or swallow. Use outdoors only or in a well ventilated area. Wash hands thoroughly after handling. Avoid excessive heat. Do not mix this product with any other chemical.

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ADVICE ON GENERAL OCCUPATIONAL HYGIENE:

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:

Store locked up. Keep out of reach of children and animals. Store in a cool, dry place out of direct sunlight. Keep cap tight on container when not in use. Store away from materials that may be incompatible. Do not freeze.

Shelf Life: 6 months at 72°F after receipt of material by customer.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

| COMPONENT | CAS# | OSHA PEL* | ACGIH TLV* |
|-----------------|-----------|---------------------|---------------------|
| Phosphoric Acid | 7664-38-2 | 1 mg/m ³ | 1 mg/m ³ |

* Based on 8 hour time weighted averages
Biological Limit Values: Not known.

OCCUPATIONAL EXPOSURE LIMITS

EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS:

Provide natural or mechanical ventilations to control exposure levels below airborne exposure limits listed above. If possible, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. Avoid breathing vapors, spray, gas, mist or fumes. Use only in well ventilated areas.

INDIVIDUAL PROTECTION MEASURES PREVENTATIVE AND HYGIENE MEASURES:

Select the appropriate level of personal protection (PPE) based on intended use. Wear appropriate thermal protective clothing when necessary.

INDIVIDUAL PROTECTION MEASURES EYE/FACE/RESPIRATORY PROTECTION:

Eye/Face Protection: Wear protective eyeglasses (with side shields), face shield or chemical safety goggles per 29 CFR 1910.133. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses. Have eyewash/shower facilities immediately available.

Skin Protection: Wear chemically protective gloves (Nitrite, Neoprene), rubber boots, aprons or gauntlets to prevent prolonged or repeated skin contact. Wash hands and contaminated skin thoroughly after handling. Have safety shower facilities immediately available.

Respiratory Protection: Avoid breathing vapors, spray, gas, mist or fumes. Use outdoors or in well ventilated areas only. If ventilation is inadequate or exposure limits are exceeded in Section 8, a full face piece respirator with an acid gas cartridge must be worn. If you use this product in a closed compartment or room, use must use a NIOSH/MSHA approved respirator. Consult the respirator manufacturer to determine the appropriate type of equipment need for a given application. Observe all respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.

ENVIRONMENTAL EXPOSURE CONTROLS: Refer to Section 6.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Green color

PHYSICAL STATE: Liquid

ODOR: Acidic

ODOR THRESHOLD: NA

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| | |
|---|---------------|
| PH: | <1 |
| MELTING POINT: | NA |
| FREEZING POINT: | NA |
| BOILING POINT: | NA |
| FLASH POINT: | None |
| EVAPORATION RATE: | NA |
| FLAMMABILITY (SOLID,GAS): | NA |
| LOWER AND UPPER EXPLOSIVE: | None |
| VAPOR PRESSURE: | 30 |
| VAPOR DENSITY: | 1.12 |
| DENSITY (H ² O = 1): | 1.15 |
| SOLUBILITY: | 100% Miscible |
| PARTITION COEFFICIENT N-OCTANOL/WATER: | NA |
| AUTO-IGNITION TEMPERATURE: | NA |
| DECOMPOSITION TEMPERATURE: | NA |
| VISCOSITY: | NA |
| PERCENT SOLIDS BY WEIGHT: | NA |
| VOLATILE ORGANIC COMPOUNDS (VOC): | 0% |

SECTION 10. STABILITY AND REACTIVITY

| | |
|-------------------------------------|---|
| REACTIVITY: | This product is stable under normal conditions of storage and transportation. |
| CHEMICAL STABILITY: | Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. |
| POSSIBILITY OF HAZARDOUS REACTIONS: | |
| CONDITIONS TO AVOID: | Avoid extreme heat. Do not allow product to freeze. Avoid contact with high pH (alkaline) chemicals and strong oxidizing agents. |
| INCOMPATIBLE MATERIALS: | Reactions with other materials may liberate toxic and/or explosive hydrogen gases. |
| HAZARDOUS DECOMPOSITION PRODUCTS: | None known. |
| HAZARDOUS POLYMERIZATION: | Will not occur. |

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

IRRITATION/CORROSION:

| | |
|----------------|----------------------------|
| EYE EFFECTS: | Causes serious eye damage. |
| SKIN EFFECTS: | Causes severe skin burns. |
| SENSITIZATION: | No data available. |

CARCINOGENICITY

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CLASSIFICATION

| PRODUCT/INGREDIENT NAME | OSHA | IARC | NTP | ACGIH | EPA | NIOSH |
|-------------------------|------|------|-----|-------|-----|-------|
| | | | | | | |

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): No data available

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): No data available.

ASPIRATION HAZARD: Prolonged inhalation may be harmful.

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT: Causes serious eye damage.

INHALATION: Harmful if inhaled.

SKIN CONTACT: Harmful if in contact with skin.

INGESTION: Harmful if swallowed.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

EYE CONTACT: Symptoms may include pain, stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

INHALATION: May cause respiratory irritation if inhaled as mist or if the product is vaporized. Burning of the nose, throat and respiratory tract.

SKIN CONTACT: Cause severe skin burns. Burning may be delayed. Prolonged exposure may cause irritation, redness, pain and destruction of skin tissue.

INGESTION: May cause burning to the mouth, throat and abdomen. Vomiting and diarrhea may result.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONGER TERM EXPOSURE

SHORT TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS:

POTENTIAL DELAYED EFFECTS:

LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS:

POTENTIAL DELAYED EFFECTS:

POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL: None known.

CARCINOGENICITY: No data available.

MUTAGENICITY: No data available.

TERATOGENICITY:

DEVELOPMENTAL EFFECTS:

FERTILITY EFFECTS: No data available.

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES

| ROUTE | ATE VALUE |
|--|-----------|
| Oral LD 50 Dermal LD 50 Inhalation LC 50 | |

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SECTION 12. ECOLOGICAL INFORMATION

- TOXICITY:** Not classified as environmentally hazardous.
- PERSISTENCE DEGRADABILITY:** No data available on the biodegradation of this product.
- MOBILITY IN SOIL:** No data available.
- OTHER ADVERSE EFFECTS:** Large or frequent spills may potentially have a harmful effect on the environment

SECTION 13. DISPOSAL CONSIDERATIONS

- DISPOSAL METHODS:** **Disposal Methods:** Do not allow this product to enter drains or waterways. Collect and reclaim product in disposal containers at a licensed waste disposal site. For the safety of persons conducting disposal, recycling or reclamation activities, please refer to the information in Section 8 (Exposure Controls and Personal Protection) of the SDS.
- Disposal Regulations:** Dispose of waste in accordance with local, state, federal, and international regulations.
- Contaminated Packaging:** Empty containers contain residue. Follow label warnings after container is emptied

SECTION 14. TRANSPORTATION INFORMATION

| | US DOT (Domestic Surface) | CANADIAN TDG | ICAO/IATA Air Transportation | IMO/IMDG Water Transportation |
|-----------------------------|--|---------------------|---|--|
| Proper Shipping Name | Phosphoric Acid Solution UN Number: 1805 Hazard Class: 8 Packing Group: III Marine Pollutant: No | | | |

Note: This information is provided as a reference only.
Refer to appropriate regulations to properly classify your shipment for transportation

SECTION 15. REGULATORY INFORMATION

FEDERAL REGULATIONS

- OSHA HAZARDS:** Corrosive
- TSCA (TOXIC SUBSTANCE CONTROL ACT):**
- CERCLA (COMPREHENSIVE RESPONSE
COMPENSATION, AND LIABILITY ACT):**
- RCRA STATUS:**
- SARA 311/312 HAZARD CATEGORIES:**
- SARA 313 TOXIC CHEMICALS:** None
- SARA 302 TOXIC CHEMICALS:** None

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

STATE REGULATIONS

CALIFORNIA PROP. 65

CANADIAN REGULATIONS

CEPA DSL:

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WHMIS CLASSES:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SECTION 16. OTHER INFORMATION

HMIS HAZARD CLASSIFICATION

HEALTH: 2
FLAMMABILITY: 0
HMIS HAZARD CLASSIFICATION: REACTIVITY: 0
PROTECTION: The customer is responsible for determining the PPE code for this product.

NATIONAL FIRE PROTECTION ASSOCIATION: HEALTH:
(USA) FLAMMABILITY:
INSTABILITY:
SPECIAL:

HISTORY

DATE OF ISSUE MM/DD/YYYY: 02/08/2019

VERSION: 1

PREPARED BY:

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labeling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
KEY ABBREVIATIONS: IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,
1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

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