

Soak It- Rust Eliminator (Rev. 9-9-26)

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Soak It- Rust Eliminator (Rev. 9-9-26)
SDS Number: AC450A
Product Code: AC450
Revision Date: 9/9/2026
Product Use: Ready-To-Use Soak Tank Rust Remover

Supplier Details: Wechem, Inc.
5734 Susitna Dr
Harahan, LA 70123
Contact: Ligia M. Hernandez
Phone: 800-249-9715
Fax: 504-733-2218
Web: www.wechem.com

Emergency Telephone Number:
INFOTRAC
1-800-535-5053

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Respiratory or skin sensitization, 1 Skin
 Health, Serious Eye Damage/Eye Irritation, 2 A
 Health, Reproductive toxicity, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation
 H361 - Suspected of damaging fertility or the unborn child.

GHS Precautionary Statements:

P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P261 - Avoid breathing mist, spray.
 P264 - Wash hands thoroughly after handling.
 P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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P302 + P350 - 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.
P308 + P313 - IF exposed or concerned: Get medical advice/ attention.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container to comply with local/regional/national/international regulations.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry:

Skin absorption, ingestion, inhalation, eye

Target Organs:

NA

Inhalation:

Inhalation of generated mist can cause nasal and respiratory irritation

Skin Contact:

May an allergic skin reaction.

Eye Contact:

Causes serious eye irritation.

Ingestion:

May be harmful if swallowed.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients

CAS#	%	Chemical Name
2809-21-4	1-8%	Phosphonic acid, (1-hydroxyethylidene)bis-
1310-73-2	1-5%	Sodium hydroxide
119345-04-9	0.1-1%	Disodium Lauryl Phenyl Ether Disulfonate

Balance of ingredients are a trade secret as per OSHA 29CFR 1910.1200

4 FIRST AID MEASURES

Inhalation:

Remove person to fresh air and keep comfortable for breathing.

Skin Contact:

Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical advice/attention if irritation develops or persists.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical advice/attention if irritation develops or persists.

Ingestion:

Call a poison center or doctor if you feel unwell.

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5**FIRE FIGHTING MEASURES****Flammability:**

Non Flammable

Flash Point:

>200 F(Estimated)

Extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream.

Fire hazard: No fire hazard

Explosion hazard: No direct explosion hazard.

Reactivity: Upon Combustion: CO and CO₂ are formed. Nitrogen oxides. Phosphorous oxide. Sulfur oxides.

Firefighting instructions: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6**ACCIDENTAL RELEASE MEASURES**

Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

Wear recommended personal protective equipment. Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/ vapours/spray.

Do not attempt to take action without suitable protective equipment. For further information refer to section8:"Exposure controls/persona; protection".

Evacuate unnecessary personnel. Stop leak if safe to do so.

Avoid release to the environment.

Absorb spilled material with sand or earth. Contain any spills withdikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.Take up liquid spill into absorbent material. Notify authorised if product enters sewers or public waters. Dispose of material or solid residues at an authorized site.

7**HANDLING AND STORAGE****Handling Precautions:**

Not expected to present a significant hazard under anticipated conditions of normal use.

Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precasutions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Storage Requirements:

Keep in a cool, well-ventilated place away from heat. Store locked up. Always store product in container of same material as original container.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Ensure good ventilation of the work station.

Personal Protective Equipment:

Respiratory Protection: In case of inadequate ventilation, wear respiratory protection.

Protective gloves: Chemical resistant, rubber

Eye protection: Safety glasses/ goggles

Wear suitable protective clothing.

Hygienic work practices: Do not eat, smoke, or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

Avoid release to the environment.

Phosphonic acid, (1-hydroxyethylidene)bis- cas#:(2809-21-4) [1-8%] : No data.

Sodium hydroxide cas#:(1310-73-2) [1-5%]

Components with workplace control parameters

CEIL 2 mg/m3 USA. ACGIH Threshold Limit Values (TLV)

C 2 mg/m3 USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA 2 mg/m3 USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

C 2 mg/m3 USA. ACGIH Threshold Limit Values (TLV)

Eye, skin, & Upper Respiratory Tract irritation

C 2 mg/m3 USA. NIOSH Recommended Exposure Limits

9 PHYSICAL AND CHEMICAL PROPERTIES

(a) Physical State:	Liquid
(b) Color / Appearance:	Clear, colorless
(h) Flash Point:	> 200 Deg. F. (Estimated)
(k) pH:	6-7
(p) Specific Gravity / Density:	(H2O=1): 1.09 g/ml
VOC:	0%

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10	STABILITY AND REACTIVITY
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Reactivity:

Upon Combustion: CO and CO₂ are formed. Nitrogen oxides. Phosphorous oxide. Sulfur oxides.

Chemical Stability:

Stable and non-reactive under normal conditions of use, storage and transport.

Conditions to Avoid:

None under recommended storage and handling conditions (see section7).

Materials to Avoid:

No additional information available.

Hazardous Decomposition:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous Polymerization:

Will not occur.

11	TOXICOLOGICAL INFORMATION
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Phosphonic acid, (1-hydroxyethylidene)bis- cas#:(2809-21-4) [1-8%]

Information on toxicological effects

Acute toxicity:

Oral LD₅₀ (Rat) 1878 mg/kg (Rat,Male/female, calculated value, Oral)

Dermal LD₅₀ (Rabbit) >10000 mg/kg (24 h,Rabbit, Male/female, Literature study, Dermal)

ATE CLP (Oral) 1878 mg/kg bodyweight.

Other information on acute toxicity

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: Eyes: no data available

Respiratory or skin sensitisation: 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

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System):

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no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System):
no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation. Ingestion Harmful if swallowed. Skin Harmful if absorbed through skin. Causes skin irritation. Eyes Causes eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: SZ8562100

Sodium hydroxide cas#:(1310-73-2) [1-5%]

Information on toxicological effects

Acute toxicity:

LD50 Oral (Rat) 4090 mg/kg

LD50 Dermal (Rabbit) 1350 mg/kg Source: NCIS

ATE CLP (Oral) 4090 mg/kg bodyweight

ATE CLP (dermal) 1350 mg/kg bodyweight.

Inhalation: no data available

Skin corrosion/irritation: Skin - rabbit Result: Causes severe burns. - 24 h

Serious eye damage/eye irritation: Eyes - rabbit Result: Corrosive - 24 h

Respiratory or skin sensitisation: Will not occur

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

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Additional Information:

RTECS: WB4900000

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

Symptoms/effects after inhalation: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Symptoms/effects after skin contact: May cause an allergic skin reaction.

Symptoms/effects after eye contact: Eye irritation.

Symptoms/effects after ingestion: None under normal conditions.

12	ECOLOGICAL INFORMATION
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Phosphonic acid, (1-hydroxyethylidene)bis- cas#:(2809-21-4) [1-8%]

Information on ecological effects

LC50- Fish: 2180 mg/l (Equivalent or similar to OECD 203, 96 h, Cyprinodon variegatus, Static system, Salt water, Experimental value, Nominal concentration)

EC50- Crustacea: 527 mg/l (OECD 202: Daphnia sp. Acute immobilization Test, 48h, Daphnia magna, Static system, Fresh water, Experimental value, GLP).

Toxicity: no data available

Persistence and degradability: Not readily biodegradable in the soil. Not readily biodegradable in water.

Chemical Oxygen demand (COD): 0.00026g O₂/g substance.

Bioaccumulative potential:

BCF-Fish: 71 (Other, 49 day(s), Cyprinus carpio, Experimental value)

Partition coefficient n-octanol/water (Log Pow): -3.5 (Experimental value, Other)

Bioaccumulative potential: Low potential for bioaccumulation (BCF<500)

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

Sodium hydroxide cas#:(1310-73-2) [1-5%]

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 125 mg/l - 96 h.

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LC50 - Oncorhynchus mykiss (rainbow trout) - 45.4 mg/l - 96 h
Toxicity to daphnia and Immobilization EC50 - Daphnia - 40.38 mg/l - 48 h.
other aquatic invertebrates

Persistence and degradability: The methods for determining the biological degradability are not applicable to inorganic substances.

Bioaccumulative potential:
Partition coefficient n-octanol/water (LogPow): -3.88 Source: SRC

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

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

13	DISPOSAL CONSIDERATIONS
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This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Do not re-use empty containers.

14	TRANSPORT INFORMATION
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Proper Shipping Name:
DOT: Not regulated for transport
IATA: No additional information available
IMDG: No additional information available

15	REGULATORY INFORMATION
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[%] RQ (CAS#) Substance - Reg Codes

[1-8%] Phosphonic acid, (1-hydroxyethylidene)bis- (2809-21-4) TSCA

[1-5%] RQ(1000LBS), Sodium hydroxide (1310-73-2) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

[0.1-1%] Benzene, 1,1'-oxybis-, tetrapropylene derivs., sulfonated, sodium salts (119345-04-9) TSCA

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

Regulatory Code Legend

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
RQ = Reportable Quantity
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

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16**OTHER INFORMATION**

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. ** Chemical listed as carcinogen or potential carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not listed [e] Animal Data only
N/A = Not available N/D = Not determined

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