**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : **RUST REMOVING NEUTRALIZER**

Other Means of Identification : Not applicable

Recommended Use : Laundry sour

Restrictions on Use : For Industrial and professional use

Company Cowboy Chemical

301 Thelma Dr. # 108

Casper, WY 82609

Emergency telephone (307)-262-9055

Poison control center (800)-222-1222

Issuing date 01/01/2024

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Skin corrosion Category 1A

Serious eye damage Category 1

Specific target organ Category 1 (Bone)

Systemic toxicity - repeated

Exposure (oral)

Specific target organ Category 1 (Bone)

Systemic toxicity – repeated

Exposure (inhalation)

**GHS Label element**

Hazard pictogram : 

Signal Word : Danger

Hazard Statements Causes severe skin burns and eye damage.

 Causes damage to organs (Bone) through prolonged or repeated exposure if swallowed.

 Causes damage to organs (Bone) through prolonged or repeated exposure if inhaled.

Precautionary Statements  **Prevention:**

 Do not breathe dust/fumes/gas/mist/vapors/spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing clothing/eye protection/face protection. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

 **Response:**

 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 CENTER or doctor/physician. Wash contaminated clothing before reuse.

 **Storage:**

 Store locked up.

 **Disposal:**

 Dispose of contents/ container to an approved waste disposal

 plant.

**Other Hazards** : None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture Mixture

**Chemical name CAS-No. Concentration (%)**

Fluorosilicic acid 16961-83-4 20-25

**SECTION 4. FIRST AID MEASURES**

In case of eye contact Rinse immediately with plenty of water, also under the eyelids,

 for at least 15 minutes. Remove contact lenses, if present and

 easy to do. Continue rinsing. Get medical attention immediately.

In case skin contact : Wash off immediately with plenty of water for at least 15

 minutes. Use a mild soap if available. Wash clothes before reuse.

 Thoroughly clean shoes before reuse. Get medical attention

 Immediately. Apply calcium gluconate gel, if available, or milk of magnesia to affected area.

If Swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give

 anything by mouth to an unconscious person. Get medical

 attention immediately. If available, take several calcium antacid tablets (eg Tums) or several tablespoons of milk of magnesia.

If Inhaled Remove to fresh air. Treat symptomatically. Get medical

 attention immediately.

Protection of first-aiders If potential for exposure exists refer to Section 8 for specific

 personal protective equipment.

Notes to Physician Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media Use extinguishing measures that are appropriate to local

 circumstances and the surrounding environment.

Unsuitable extinguishing media None known.

Specific hazards arising during Not flammable or combustible.

fire-fighting.

Hazardous combustion Decomposition products may include the following materials:

Products Carbon oxides

 Nitrogen oxides (NOx)

 Oxides of phosphorus

Special protective equipment Use personal protective equipment.

for fire-fighters

Specific extinguishing methods Fire residues and contaminated fire extinguishing water must be

for Fire-Fighters. disposed of in accordance with local regulations. In the event of

 fire and/or explosion do not breathe fumes.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective : Ensure adequate ventilation. Keep people away from and upwind

Equipment and Emergency of spill/leak. Avoid inhalation, ingestion and contact with skin and

Procedures eyes. When workers are facing concentrations above the

 exposure limit they must use appropriate certified respirators.

 Ensure clean-up is conducted by trained personnel only. Refer to

 protective measures listed in section 7 and 8.

Environmental Precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for : Stop leak if safe to do so. Contain spillage, and then collect with containment and cleaning up non-combustible absorbent material, (e.g. sand, earth,

 diatomaceous earth, vermiculite) and place in container for

 disposal according to local/ national regulations (see section 13).

 Flush away traces with water. For large spills, dike spilled material

 or otherwise contain material to ensure runoff does not reach a

 waterway.

**SECTION 7. HANDLING AND STORAGE**

Advice on safe handling Do not ingest. Do not get in eyes, on skin, or on clothing. Do not

 Breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with

 adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products. - will cause chlorine gas.

 SAFETY REMINDER:

 **\***Never pour product into unlabeled containers.

 **\***Use only for recommended uses. Read label.

 **\***Never take product home. Use only in workplace.

Conditions for Safe Storage Do not store near acids. Keep out of reach of children. Store in

 suitable labeled containers.

Storage Temperatures 10 ̊C to 50 ̊C

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

Contains no substance with occupational exposure limit values.

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations

 below occupational exposure standards.

**Personal protective equipment**

Eye protection : Safety goggles

 Face-shield

Hand protection : Wear the following personal protective equipment:

 Standard glove type.

 Gloves should be discarded and replaced if there is any indication

 of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective

 gloves, safety goggles and protective clothing.

Respiratory protection : When workers are facing concentrations above the exposure limit

 they must use appropriate certified respirators.

Hygiene Measures : Handle in accordance with good industrial hygiene and safety

 practice. Remove and wash contaminated clothing before re-use.

 Wash face, hands and any exposed skin thoroughly after

 handling. Provide suitable facilities for quick drenching or flushing

 of the eyes and body in case of contact or splash hazard.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance Liquid

Color Colorless to light brown

Odor acrid

pH : 1-2, 100 %

Flash Point : Not applicable

Odor Threshold : No data available

Melting point/freezing point : No data available

Initial boiling point and : No data available boiling range

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Specific gravity : 1.12-1.32

Relative density : No data available

Water solubility : Complete

Solubility in other solvents : No data available

Partition coefficient: n- : No data available octanol/water

Autoignition temperature : No data available

Thermal decomposition : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Molecular weight : No data available

VOC : None

**SECTION 10. STABILITY AND REACTIVITY**

Chemical Stability : Stable under normal conditions

Possibility of Hazardous Do not mix with bleach or other chlorinated products- will cause chlorine gas.

Reactions

Conditions to Avoid : None known.

Incompatible materials : Metals

 Bases

 Organic materials

Hazardous Decomposition : Decomposition products may include the following materials:

Products Carbon oxides

 Nitrogen oxides (NOx)

 Oxides of phosphorus

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of : Inhalation. Eye contact, Skin contact

Exposure

**Potential Health Effects**

Eyes Causes serious eye damage.

Skin Causes severe skin burns. May be harmful if absorbed through skin. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones(osteosclerosis)

Ingestion Causes digestive tract burns. May be harmful if swallowed. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones. (osteosclerosis)

Inhalation May cause nose, throat, and lung irritation. May be harmful if inhaled.

Chronic Exposure May cause damage to organs through prolonged or repeated exposure.

**Experience with human exposure**

Eye contact : Redness, Pain, Corrosion

Skin contact : Redness, Pain, Corrosion

Ingestion : Corrosion, Abdominal pain

Inhalation : Respiratory irritation, Cough

**Toxicity**

Acute oral toxicity : Acute toxicity estimate : 2,025 mg/kg

Acute inhalation toxicity : No data available

Acute dermal toxicity : No data available

Skin corrosion/irritation : No data available

Serious eye damage/ : No data available

eye irritation

Respiratory or skin : No data available

sensitization

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT –single exposure : No data available

STOT –repeated exposure : No data available

Aspiration toxicity : No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Environmental Effects : This product has no known ecotoxicological effects.

**Product**

Toxicity to fish : No data available

Toxicity to daphnia and other : No data available

aquatic invertebrates

Toxicity to algae : No data available

**Ingredients**

Toxicity to Fish Fluorosilicic acid

 96 h EC50: .100 mg/l

Persistence and degradability : No data available

Bio accumulative potential : No data available

Mobility in soil : No data available

**Other adverse effects** No data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods :Where possible recycling is preferred to disposal or incineration. If recycling is not possible, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations Dispose of as unused product. Empty containers should be taken

 to an approved waste handling site for recycling or disposal. Do

 not re-use empty containers.

RCRA – Resource : D002 (Corrosive)

Conservation and Recovery

Authorization Act Hazardous

Waste

**SECTION 14. TRANSPORT INFORMATION**

This shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**Land Transport (DOT)**

UN number : 1778

DOT Proper Shipping Name : FLUOROSILICIC ACID

Class : 8

Packing Group : II

Environmentally hazardous : no

**Sea Transport (IMDG/IMO)**

UN number : 1778

Description of the goods : FLUOROSILICIC ACID

Class : 8

Packing Group : II

Marine pollutant : no

**SECTION 15. REGULATORY INFORMATION**

**EPCRA – Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

This material does not contain any compounds with a CERCLA RQ**.**

**SARA 304 Extremely Hazardous Substance Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards :**  Acute Health Hazard

**SARA 302 :** No chemicals in this material are subject to the reporting

 requirements of SARA Title lll, Section 302.

**SARA 313 :** This material does not contain any chemical components with

 known CAS numbers that exceed the threshold (De Minimus)

 reporting levels established by SARA Title lll, Section 313.

**California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other

reproductive effects.

**The ingredients of this product are reported in the following inventories:**

**United States TSCA Inventory :**

On TSCA Inventory

**Canadian Domestic Substances List (DSL) :**

All components of this product are on the Canadian DSL.

**SECTION 16. OTHER INFORMATION**

**Hazardous Material :**

**Information System (U.S.A)**

 **Health 3**

 **Flammability**  **0**

 **Physical Hazards** **0**

**NFPA:**

 **Flammability**

**3**

**Instability/**

**Reactivity**

**Health**

**0**

**0**

 **Special Hazard**

Issuing date : January 01, 2022

Version : 1.0

Prepared by : Specialty Chemicals & Systems

Notice to reader

The information provided in this Safety Data Sheet is correct to the best of our knowledge., information and belief at the date of its publication. The information given is designed only as a guidance for safe handling,

Use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality

Specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.