



RICH INNOVATION
MARKETING INCORPORATED

Tels. 733-3007; 733-7783 Fax: 736-4589

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: DR. SEAL NO MORE RUST

COMPANY NAME: RICH INNOVATION MARKETING INC.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Cas: 7664-32-2

NAME: DR. SEAL NO MORE RUST

% low Wt: 85

% high Wt: 86

3. HAZARDS IDENTIFICATION

Emergency Overview

DANGER! CORROSIVE. CAUSES SEVERE IRRITATION AND BURNS TO EVERY AREA OF CONTACT.
HARMFUL IF SWALLOWED OR INHALED.

SAF-T-DATA (tm) Ratings (Provided here for your convenience)

Health Rating: 3 - Severe

Flammability Rating: 0 – None

Reactivity Rating: 2 – Moderate

Contact Rating: 4 – Extreme (Corrosive)

Lab Protective Equip: GOGGLES SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES

Storage Color Code: White (Corrosive)

Potential Health Effects

Inhalation:

Inhalation is not expected hazard unless misted or heated to high temperatures. Mist or vapor inhalation cause irritation to the nose, throat, and upper respiratory tract. Severe exposures can lead to a chemical pneumo

Ingestion:

Corrosive. May cause sore throat, abdominal pain, nausea, and severe burns of the mouth, throat, and stomach. Severe exposures can lead to shock, circulatory collapse, and death.

Skin Contact:

Corrosive. May cause redness, pain, and sever skin burns.

Eye Contact:

Corrosive. May cause redness, pain, blurred vision, eye burns, and permanent eye damage.

Chronic Exposure:

No information found.

Aggravation of Pre-existing Conditions:

Persons with pre-existing skin disorders or eye problems, or impaired respiratory function may be more susceptible the effects of the substance.

4. First Aid Measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Call a physician immediately.

Ingestion:

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.



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Skin Contact:

Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Call a physician, immediately. Wash clothing before reuse.

Eye Contact:

Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelid occasionally. Call a physician immediately.

5. Fire Fighting Measures

Fire:

Not considered to be a fire hazard. Contact with most metals causes formation of flammable and explosive hydrogen gas.

Explosion:

Not considered to be an explosion hazard.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire exposed containers cool. If water is used, use in abundance to control heat and acid build-up.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Respiratory Protection: HIGH EFFICIENCY PARTICULATE RESPIRATOR IS RECOMMENDED.

NIOSH/MSHA-APPROVED SELF CONTAINED BREATHING APPRATUS

Ventilation: LOCAL EXHAUST: RECOMMENDED. MECHANICAL (GENERAL): RECOMMENDED

Protective Gloves: RUBBER

Eye Protection: CHEMICAL SAFETY GOGGLES

Other Protective Equipment: LAB COAT, EYE WASH STATION, PROPER GLOVES, FACE SHIELD, VENTILATION HOOD.

Work Hygienic Practices: NOT PROVIDED

Supplemental Safety and Health: CONTD FROM PRODUCT ID: WARDS PART #: 37-6585.

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN.

N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED.

N/E = NOT ESTABLISHED. CNS = CENTRAL NERVOUS SYSTEM. GI = GASTROINTESTINAL.

SCBA = SELF CONTAINED BREATHING APPRATUS.

7. Handling and Storage

Keep in tightly closed container. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, incompatibilities, and direct sunlight. Corrosive to mild steel. Store in rubber lined or stainless steel. Do not was out container and use it for other purposes. When diluting, the acid should always be added slowly to water and in small amounts. Never use hot water and never add water to the acid. Water added to acid can cause uncontrolled boiling and splashing. Protect from freezing. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

-OSHA Permissible Exposure Limit (PEL):

1 mg/m³ (TWA)

-ACGIH Threshold Limit Value (TLV):

1 mg/m³ (TWA) 3 mg/m³ (STEL)



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VENTILLATION SYSTEM:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded, a full face piece respirator with high efficiency dust/mist filter may be worn up to times the exposure limit of the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, a full-facepiece positive-pressure, air-supplied respirator. **WARNING:** Air purifying respirators do not protect work in oxygen-deficient atmospheres.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties

HCC: C1

NRC/State LIC No: NOT RELEVANT

Boiling Point: = 158. C, 316.4F

Melt/freeze Pt: = 21.C, 69.8F

Decomp Text: NOT PROVIDED

Vapor Press: 2.2mmHg

Vapor Density: 3.4(AIR=1)

Spec Gravity: 1.710(H2O=1)

PH: NOT PROVIDED

Viscosity: NOT PROVIDED

Solubility in Water: COMPLETE

Appearance and Odor: COLORLESS, SYRUPY LIQUID, ODORLESS

Corrosion Rate: NOT PROVIDED

10. Stability and Reactivity

Stability:

Stable under ordinary conditions of use and storage. Substance can super cool without crystallizing.

Hazardous Decomposition Products:

Dr. Seal No More Rust may form when heated to decomposition.

Hazardous Polymerization:

Will not occur.



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Incompatibilities:

Liberates explosive hydrogen gas when reacting with chlorides and stainless steel. Can react violently with sodiumtetrahydroborate. Exothermic reactions with aldehydes, amines, amides, alcohols and glycols, azo-compounds, carbamates, esters, caustics, phenols and cresols, ketones, organophosphates, explosives, combustible materials, unsaturated halides, and organic peroxides, it forms flammable gases with sulfides, mercaptans, cyanides and aldehydes. It also forms toxic fumes with cyanides, sulfide, fluorides, organic peroxides, and halogenated organics. Mixtures with nitromethane are explosive.

Conditions to Avoid:

Incompatibles.

11. Toxicological Information

Oral rat LD50: 1530mg/kg; investigated as a mutagen.

-----\Cancer Lists\-----

Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
Acid (7664-38-2)	No	No	None
Water (7732-18-5)	No	No	None

12. Ecological Information

Environmental Fate:

When released into the soil, this material may leach into ground water. When released to water, acidity maybe reduced by natural water hardness minerals. However, may persist indefinitely.

Environmental Toxicity:

No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirement.

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: Dr. Seal No More Rust

Hazard Class: 8

UN/NA: UN1805

Packing Group: III