



P.O. Box 15018
Hastings, New Zealand

MATERIAL SAFETY DATA SHEET
IN CASE OF LEAK OR SPILL CALL
(06) 879-9438

Section I - Product Identification

Product Name: Rust Remover III, Accelerator
Product Number: C194
CAS Number: Blend

Section II - Composition / Information on Ingredients

Chemical Name	Amount	CAS Number
Sulfamic Acid	10.0 - 30.0 %	5329-14-6
Water	60.0 - 100.0 %	7732-18-5

(See Section 8 for exposure guidelines) (See Section 15 for regulatory information)

Section III - Hazards Identification

EMERGENCY OVERVIEW - CAUTION: Corrosive. May be fatal if swallowed. Causes severe irritation and burns to every area of contact.

NFPA Rating: Health: 2 Flammability: 0 Reactivity: 0

POTENTIAL HEALTH EFFECTS

Eye: Corrosive. Contact causes severe eye irritation. Can cause blurred vision, redness, pain, severe tissue burns and eye damage.

Skin: Corrosive. Causes skin burning. Contact with skin causes irritation and possible burns.

Inhalation: Extremely destructive to tissues of the mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, and shortness of breath, headache, nausea and vomiting.

Ingestion: Corrosive. May cause severe and permanent damage to mouth, throat, and stomach.

Chronic Effects: Chronic inhalation and ingestion may cause effects similar to those of acute inhalation and ingestion.

Section IV - First Aid Measures

Eye Contact First Aid: Hold eyelids apart and flush eyes with plenty of water for a least 15 minutes. Get immediate medical attention.

Skin Contact First Aid: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly wash (or discard) clothing and shoes before reuse. Get medical attention immediately.

Inhalation First Aid: Remove to fresh air. If breathing is difficult, give oxygen. Get immediate medical attention

Ingestion First Aid: If swallowed, do NOT induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water. Get medical attention immediately.

Notes To Physician: Treat symptomatically. For severe exposures, monitor for delayed onset of pulmonary edema

Section V - Fire Fighting Measures

Flammable Properties: COC Flash Point: N/A Autoignition Temperature: N/A

Flammable Limits in Air: LEL: N/A UEL: N/A

Extinguishing Media: Use extinguishing media most appropriate for the surrounding fire.

Section VI - Accidental Release Measures

Initial Containment: Neutralize material with a weak base (e.g., baking soda). Neutralized waste can be discharged to the sewer with a large amount of water.

Section VII - Handling and Storage

Handling (Personnel): Do not get in eyes, on skin or clothing.

Handling (Physical Aspects): Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatibilities.

Storage Precautions: Protect from physical damage.

MSDS Rust Remover III - Accelerator
Rev: #3 8/13/2003
MD

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Section VIII - Exposure Controls / Personal Protection

Eye / Face Protection Requirements: Use chemical safety goggles.

Skin Protection Requirements: Wear protective gloves to minimize skin contamination.

Respiratory Protection Requirements: For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator is recommended.

Exposure Guidelines: No information available.

Section IX - Physical and Chemical Properties

Form: Liquid

Color: Colorless

Odor: None

Solubility in Water: Complete

pH: 0.5-1

Section X - Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage. Slowly hydrolyzes to form ammonium sulfate and bisulfate.

Polymerisation: Hazardous polymerisation will not occur.

Incompatibility With Other Materials: Strong oxidizers, nitric acid, chlorine. Solutions are strong acids and react violently with bases. Metal nitrates and nitrites along with heat and fuming nitric acid.

Decomposition: May emit ammonia, ozides of sulfur, oxides of nitrogen, and oxides of carbon.

Conditions to Avoid: Excess heat.

Section XI - Toxicological Information

Sulfamic Acid

Test Code: Oral LD50

Species: Rat

Results: 3160 mg/kg

Test Code: Dermal Irritation

Description: Standard Draize

Species: Rabbit

Results: 500 mg/24H
severe

Test Code: Ocular Irritation

Description: Standard Draize

Species: Rabbit

Results: 250 ug/24H
severe

Section XII - Ecological Information

Sulfamic Acid:

Test Code: TLm 96H

Results: 96.5 ppm

Section XIII - Disposal Considerations

Waste Disposal: Not a listed RCRA hazardous waste. Neutralize with a weak base (e.g. baking soda) prior to disposal. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

Section XIV - Transportation Information

Product Label: Rust Remover III, Accelerator

M.O.T. Shipping Name: Sulfamic acid, solution

M.O.T. Hazard Class: 8

UN Number: UN2967

M.O.T. Label: Corrosive

Package Class: III

Miscellaneous:

IATA Shipping Classification: Same as MOT with the following changes:

Proper Shipping Name: Sulphamic acid, solution

IMO/IMDG Shipping classification: Same as MOT with the following changes:

Proper Shipping Name: Sulphamic acid, solution

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Section XV – Regulatory Information

Regulatory Lists Searched:

01=SARA Title III Section 302	02=SARA Title Section 313
03=RCRA Hazardous Waste Codes	04=CERCLA Hazardous Substances
05=Clean Air Act	06=California Prop. 65
07=Florida Right-to-Know	08=Massachusetts Right-to-Know
09=Pennsylvania Right-to-Know	10=Pennsylvania Right-to-Know

EEC Symbols and Indications of Danger: Corrosive (C)



R-Phrases: R34 – Causes burns.

R36/37/38 – Irritating to eyes, respiratory system, and skin.

S-Phrases: S24 – Avoid contact with skin

S25 – Avoid contact with eyes

WHMIS Hazard Symbols: Class E – Corrosive Material



Canadian Disclosure List: Sulfamic Acid (5929-14-6)

Miscellaneous Information: This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

Section XVI – Other Information

Prepared by: Cory Parr

Approved by: Edward Durrant

Title: Chemist

Approval Date: July 27, 2000

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END OF MSDS

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