

Rust Ranger, Inc.
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Material Safety Data Sheet
"84-4CX" Rust Remover

Page # 1

Effective Date:

July 1, 1996

Print Date:

April 12, 2004

Product Name		84-4CX Rust Remover		<u>Hazardous Material Index System</u>	
Chemical Family	Biodegradable Water Based Synthetic Liquid Soap Biodegradable Water Based Synthetic Liquid Rust		H = 1	0 = Minimal	
Chemical Name	Remover		F = 0	1 = Slight	
Chemical Formula	Proprietary		R = 0	2 = Moderate	
DOT Proper Shipping Name	Not Listed		H=Health	3 = High	
DOT Hazard Class	Non-Hazardous		F=Flammability	4 = Extreme	
Resource Conservation And Recovery Act	EPA Hazardous Waste #: None		R=Reactivity	* = Chronic	
Toxic Substances Control Act	Does Not Contain Toxic Substances Or Ingredients		Chronic Information None		
Special Note	None				
General Information	This Compound Is Water Based And Composed Of Food Cosmetic And Commercial Detergent Components				

<u>Physical Data</u>		<u>Ingredients</u>		
Appearance	Clear Liquid	<u>Hazardous Components</u>	<u>Hazards</u>	<u>TLV</u>
Ph	6.7 – 7.2	None		
Odor	Pleasant Odor	<u>Basic Ingredients</u>		
Solubility (Water)	Complete	This Material is composed of safe non-toxic, non-hazardous industrial food grade, commercial detergent and cosmetic surfactants and components.		
Specific Gravity	1.120	The exact chemical identities and/or percentages of the raw material components used in this product are trade secrets, and are being withheld as provided for by the Occupational Safety and Health Administration's Communication Rule (29 CFR 1910.1200)		
Boiling Point (C/F)	100 / 212	If medical treatment is required Rust Ranger, Inc. will provide any information necessary to help facilitate any medical treatment.		
Vapor Pressure @ 20 C	Negligible			
Vapor Density	Negligible			
Volatile By Volume (%)	0.00 %			
Other Data				

<u>Fire / Explosion Hazard Date</u>	
Flash / Fire (C/F)	None
Flammable Limits In Air (By % Volume)	Not Applicable
Extinguishing Media	Water
Special Fire Fighting Procedures	Use Water To Cool Containers Exposed To Flames
Unusual Fire And Explosion And Explosion Hazards Closed Full, Closed Partially Full And Closed Empty Containers May Experience High Internal Pressures Due To High External Heating Caused By A Fire, Thereby, Possibly Creating A Hazardous Explosive Condition	

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Reactivity

Stability	Stable	Hazardous Decomposition Products Oxides Of Carbon (Carbon Monoxide And Carbon Dioxide) And Oxides Of Nitrogen
Conditions To Avoid	Not Applicable	
Incompatibility (Materials To Avoid)	Strong Oxidizers	
Hazardous Polymerization	Will Not Occur	

Health Hazards

Chronic Overexposure	None Know	Acute Overexposure
Threshold Limit	Not Established	Direct Eye Contact may Cause Slight Reversible Eye Irritation. Extremely Prolonged Direct Skin Contact May Cause Reversible Dermatitis. Breathing Extremely Heavy Mist May Cause Slight Reversible Transient Irritation. Ingestion May Cause Cramps And/Or Diarrhea.
Chemical Listed As A Carcinogen And/Or As A Potential Carcinogen		
This Material Is Not Listed As A Carcinogen, Nor Is It Listed As A Potential Carcinogen.		

Emergency And First Aid Procedures

In All Cases Remove From Source Of Exposure

Inhalation	Not Likely To Occur Except As Extremely Heavy Mist. Remove To Fresh Air And Consult Physician, If Condition Persists.
Eyes	Flush Eyes Immediately With large Amount Of Water. Do Not Rub Eyes! Consult Physician If Irritation Persists.
Skin	Wash With Mild Soap. If Irritation Persists Consult Physician.
Ingestion	Induce Vomiting! Drink Large Amounts Of Water / Milk And Consult Physician. This material May Cause Digestive Tract Cramps, Irritation And Diarrhea.

Special Protection Equipment

Respiration Protection	Not Normally Required In Normal Shop Ventilation Situations. If Exposure Limit Is Exceeded NIOSH/MSHA Approved Apparatus May Be Used
Ventilation	If Heavy Mist Occurs, Provide Ventilation To Control To Permissible Level.
Protective Gloves	Water Resistant Type Gloves Recommended.
Eye Protection	Safety Goggles Or Splash Goggles Recommended.
Other Protective Clothing And/Or Equipment	If There Is Likelihood Of Splashing, Water Resistant Apron Should Be Worn To Prevent Clothing Soiling.

Special Precautions And Spill / Leak Procedures

Precautions To Be Taken In
Handling And/Or Storage

Keep From Freezing! Store Indoors, In Heated Area

Other Precautions

Never Use A Torch To Cut On And/Or Near Containers.

**Never Wear Rust Remover Soaked Clothing And/Or Shoes.
Launder Or Dry Clean Clothing Before Reuse.
Replace Rust Remover Soaked Shoes**

Steps to Be Taken In Case Of
Material Release And/Or Spill

**Shut Off All Electrical Power And/Or Receptacles In The Immediate Area.
To Prevent Slipping And/Or Falling, Flush With Water And Mop Dry.
Do Not let Material Enter Waterways Or Sewers Which Are Not Connected
To Municipal Waste Treatment System.**

Waste Disposal Method

**Virgin Material Is Composed Of Edible Food Components, And Commercial
Grade Cosmetic And Surfactant Components.**

**Consult Local, State And/Or Federal Regulations, Or Use Licensed Waste
Disposal Service.**

Empty Container Handling

Drums

Storage:

**As A Precaution To Avoid Spills, Leaks Or Run-Off Into Ground Water; Empty
Drums Are To Be Stored Inside (In A Cool Dry Area), In A Neat/Orderly Manner,
In An Upright Position With Bungs Loosely Closed.**

Recycling:

**All Empty Steel Drums Are To Be Recycled Thru A DOT (Department Of
Transportation) Licensed Drum Recycling/Cleaning Facility.**

Pails

**Are To Be Drained And/Or Cleaned Of All Residue Material And Disposed Of In
Accordance With Local, State And Federal Solid Waste Regulations, Or
Recycled Thru Available Recycling Systems.**

Plastic Pails Are Composed Of Polyethylene.

Steel Pails Are Composed Of Low Carbon Sheet Steel.