STEAM WAY INTERNATIONAL INCORPORATED

MATERIAL SAFETY DATA SHEET

NFPA Designation 704
DEGREE OF HAZARD
4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910, 1200. Standard must be consulted for specific requirements.

U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration (Non-Mandatory Form) Form-Approved OMB No. 1218.0072

CHEMICAL NAME	PRODUCT USAGE
Rust Subtractor	Fabric Spotting Agent For Rust

SECTION I

Manufactured For:	**Steam Way® International**	Emergency Telephone Number:	**(303) 355-3566**
Address:	**4550 Jackson Street**	Telephone Number For Information:	**(303) 355-3566**
City, State, Zip	**Denver, Colorado 80216**	Date Prepared: **March 1, 1999**	**Updated: July 1, 1999**

SECTION II - Hazardous Ingredient Information

Hazardous Components (If component is non-hazardous, specify by * designation) (Specific Chemical Identity: CAS#)	% optional
Oxalic Acid (C.A.S.# 144-62-7) (ACGIH TLV 0.27ppm)	<15%
2-Butoxyethanol (C.A.S. # 111-76-2) (ACGIH TLV 25ppm skin)	<5%

SECTION III - Physical/Chemical Characteristics

Boiling Point Approximately	212˚F	Specific Gravity ($H_2 0$ = 1) @25˚C	1.020
Vapor Pressure (mm Hg.)	N.A.	Melting Point	N.A.
Vapor Density (Air=1)	N.A.	Evaporation Rate (vs. H20)	About the same
Solubility Rate	Complete	Percent, Volatile by Volume (%)	N.A.

Appearance and Odor: Clear liquid with mild solvent odor.

SECTION IV - Fire and Explosion

Flash Point (Method Used)	Flammable Limits	LEL	UEL
>200˚F N.A.	N.A N.A.		

Extinguishing Media
Carbon Dioxide, dry chemical, foam or water, Class A, BC, or ABC fire extinguishers.

Special Fire Fighting Procedures
none

Unusual Explosion Hazard
none

SECTION V - Reactivity Data

Stability	Unstable		Conditions to Avoid N.A.
	Stable	X	

Incompatibility (Materials to Avoid)

Straong oxidizing agents , bases

Hazardous Decomposition or by-Products

Oxides of carbon, possibly formic acid and other miscellaneous toxic gases

Hazardous Polymerization	May Occur		Conditions to Avoid N.A.
	Will Not Occur	X	

SECTION VI - Health Hazard Data

Health Hazards (Acute and Chronic): Rout(s) of Entry/Signs and Symptoms of Exposure Routes of exposure are eyes, skin, ingestion, and inhalation. Eye contact may cause severe irritation, possible burns. May cause irritation or possible burns on more prolonged contact with skin. Possibility of some harmful absorption through skin. Inhalation of product may cause irritation, possibly severe, to the upper respiratory tract and can also irritate the lungs. Repeated inhalation could eventually lead to permanent damage.. Ingestion can cause irritation and possibly burns to the mouth, throat, and stomach. The oxalic acid contained in the solution is a systemic poison affecting the central nervous system and kidney function.

Emergency and First Aid Procedures **In case of eye contact, flush with water for 15 minutes and consult a physician. In case of skin contact, flush with water for at least 15 minutes. Consult a physician if irritation persists. Remove any contaminated clothing and wash before reuse. In case of ingestion, do not induce vomiting. Rinse mouth with water. Drink large quantities of water for dilution. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs. In case of inhalation, remove patient to fresh air. If qualified, give oxygen and/or artificial respiration. Seek medical attention.**

Medical Conditions Generally Aggravated by Exposure

See health hazards above.

SECTION VII - Precautions For Safe Handling And Use

Steps to be taken in Case Material is Released or Spilled

Contain spill with inert material. Prevent run-off to sewers. streams, or other bodies of water. Neutralize with mild base (alkaline). Soak up with absorbent material or wet vacuum up. Place in appropriate containers for disposal.

Waste Disposal Method

Check all government regulations. If allowed, incineration would be preferred method. May be possible to flush neutralized solution to sanitary sewer system with large quantities of water.

Precautions To Be Taken In Handling And Storing

Storage between 40˚F and 100˚F is recommended. Store so as to be inaccessible to children. Wash thoroughly after handling.

Other Precautions

Do not take internally or inhale vapors. Avoid eye contact.

SECTION VIII - Control Measures

Respiratory Protection (Specific Type)

Not normally needed.

Ventilation	Local Exhaust Preferable	Special
	Mechanical (General) Acceptable to keep below TLV limits.	Other

Protection Gloves Rubber gloves	Eye Protection Chemical safety goggles and full face shield.

Other Protective Clothing or Equipment

Usually not needed unless splashing is excessive. Otherwise, chemical apron plus other chemically resistant clothing.