



Material Safety Data DSC Products Inc.

MSD#: 2335B

Date Prepared: 05/01/2001

	Health	Fire	Reactivity	Special	Personal Protection Index
NFPA	1	0	0	0	B
HMIS	1	0	0	0	B

SECTION 1: PRODUCT IDENTIFICATION

Manufacturer Name	DSC PRODUCTS INC	24 Hour Emergency Telephone	(231) 739-2068
Address	1979 Latimer Dr. Muskegon, MI 49442-6229 (231) 777-3012		
Trade Name	REMOVE	Product Type	Acid cleaner
Chemical Family	Organic acid	Formula	N/A

SECTION 2: HAZARDOUS INGREDIENTS

Name/Common Name	% (optional)	Cas.No.	OSHA PEL	ACGIH TLV (source)
Citric acid		77-92-9		

SECTION 3: PHYSICAL DATA

Boiling Point (degrees F)	212F	Specific Gravity (H2O=1.0)	1.06	pH	4
Vapor Pressure (mm Hg)	N/A	Vapor Density (Air = 1)	N/A	Melting Point (degrees F)	N/A
Solubility in Water	Complete X	Invisible	Emulsible (or dispersible)	Slight (or partial)	
Evaporation Rate (vs. H2O)		Faster	Slower	About the same X	
Appearance and Odor				Clear liquid ,/ mint	

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point (T.C.C.)	N/A	Boiling	None to limits
Flammable Limits	N/A	Upper	Lower
Extinguishing Media	Water, dry chemical, foam	Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	None		

SECTION 5: REACTIVE DATA

Stability	Stable	Incompatibility	Alkaline material, strong oxidizers
Hazardous Decomposition Products	Organic fumes	Hazardous Polymerization	Will not occur



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SECTION 6: HEALTH HAZARDS

Threshold Limit Value – Product (Section 2-TLV)	None Established X		Not Applicable			
Primary Routes of Exposure	Eye X	Skin X	Oral	Inhalation	Other	
Signs and Symptoms of Over-exposure (acute)						
Eyes	Causes irritation		Skin	May cause irritation		
Inhalation	Irritation of respiratory tract		Ingestion	Causes irritation of the gastro intestinal tract.		
Signs and Symptoms of Over-exposure (chronic)			Not established			
Medical Conditions aggravated by Over-exposure			None known			
Carcinogen or Suspect Carcinogen Ingredients			NP	ARC	OSHA	None X

SECTION 7: EMERGENCY AND FIRST AID PROCEDURES

Eyes	Flush with water, if irritation persists, consult physician
Skin	Wash with soap and water, if irritation persists, consult physician
Ingestion	Give large quantity of water, induce vomiting, get medical attention
Inhalation	Remove to fresh air, if breathing is difficult, consult physician

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory Protection	Not required unless product is atomized, then use a NIOSH approved respirator		
Ventilation adequate	Local X	Mechanical	Other
Protective Gloves	Impervious to chemicals	Eye Protection	Chemical goggles
Other Protective Clothing or Equipment	Protect parts of body that may come in contact with product		
Work/Hygienic Practices	Wash with soap and water after contact		

SECTION 9: SPILL OR LEAK PROCEDURES

Steps to be taken if released or spilled	Neutralize the solution
Waste disposal methods	Dispose to drain according to local, state and federal regulations

SECTION 10: STORAGE AND HANDLING INFORMATION

Precautions to be taken in handling and storage
Other: KEEP OUT OF REACH OF CHILDREN
Keep container tightly closed and store in a cool place. Do not mix with other chemicals

SECTION 11: ENVIRONMENTAL INFORMATION

Spill or Release

This product contains no ingredients regulated under section 313 Emergency Planning and Community Right-to-Know Act (EPCRA) of SARA Title III and 40 CFR 372 and is not regulated as hazardous waste under CERCLA and is not subject to the Superfund tax.

Notice: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility

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can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

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