



# Safety Data Sheet

## DSC Products Inc.

### SDS#: 2129B

Date Revised: 06/01/2015

#### SECTION 1: PRODUCT IDENTIFICATION

Manufacturer Name	DSC PRODUCTS INC	24 Hour Emergency Telephone	(231) 739-2068
Address	1979 Latimer Dr.		
	Muskegon, MI 49442-6229	Fax (231) 773-0477	
	(231) 777-3012	www.dscprod.com	
Trade Name	SURELY	Product Type	Acid cleaner
Chemical Family	Organic acid	Formula	N/A

#### SECTION 2: HAZARDOUS IDENTIFICATION

##### GHS Classification:

Health, Acute toxicity, 5 Dermal

##### GHS Phrases:

Warning, H313 – May be harmful in contact with skin.

##### GHS Label Elements

##### Signal Word:

Warning

##### GHS Pictograms:

None

##### Precautionary Statements:

##### Response:

-Skin

-IF ON SKIN: Gently wash with soap and water.  
Call a POISON CENTER or doctor/physician if you feel unwell.

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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

#### SECTION 4: FIRST AID MEASURES

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 5: FIRE FIGHTING MEASURES

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		

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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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 7: HANDLING AND STORAGE

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 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Respiratory Protection		Not required unless product is atomized, then use a NIOSH approved respirator	
Ventilation	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	

No OSHA PEL established for listed chemicals

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (degrees F)	212 F	Specific Gravity (H <sub>2</sub> O=1.0)	N/A	pH	2
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. H <sub>2</sub> O)	Faster	Slower	About the same X		
Appearance and Odor	Clear colorless liquid				

#### SECTION 10: STABILITY AND REACTIVITY

Stability	Stable	Incompatibility	Strong oxidizing agents
Hazardous Decomposition Products	Organic fumes	Hazardous Polymerization	Will not occur



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#### SECTION 11: TOXICOLOGY INFORMATION

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 severe irritation		Skin	Contact may cause irritation		
Inhalation (LC 50)	Irritation of respiratory tract		Ingestion	Causes irritation of gastro intestinal tract		
Oral (LD 50)	3000 mg/kg – Rat		Sensitization	Not considered an occupational sensitizer		
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 12: ECOLOGICAL INFORMATION

**Mobility:** Completely Soluble

**Persistence/Degradability Chemical Oxygen Demand (COD):** 750 (50 mg O<sub>2</sub>/g)

**Biochemical Oxygen Demand Within 5 Days (BOD<sub>5</sub>):** 625 (50 mg O<sub>2</sub>/g)

**DIN 38412 Part 25 (DIN EN ISO 9888):** Readily biodegradable (98% after 2 days)\*

**Ecological Toxicity:**

DIN 38412 Part 15 (DIN EN ISO 7346)

DIN 38412 Part 5

**Toxicity to Fish:** 440 – 706 mg/L

**Toxicity to Bacteria:** >10.000 mg/L

**Bioaccumulation:** None

#### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE FROM RESIDUES/UNUSED PRODUCTS:** Where possible recycling is preferred to disposal or incineration. Can be disposed in landfill or incinerated, when in compliance with local regulations.

**CONTAMINATED PACKAGING:** Empty containers should be taken for local recycling, recovery or waste disposal.

#### SECTION 14: TRANSPORTATION INFORMATION

Not classified as dangerous according to TDG (Transportation of Dangerous Goods) and DOT (Department of Transportation).

#### SECTION 15: REGULATORY INFORMATION

**WHMIS – Class E**

IDL: Citric Acid (CAS-No. 77-92-9) is listed in the Ingredient Disclosure List

DSL: Citric Acid (CAS-No. 77-92-9) is listed in Domestic Substance List

TSCA: Citric Acid (CAS-No. 77-92-9) is listed on the TSCA Inventory

TSCA8(D): Citric Acid (CAS-No. 77-92-9) exempted from regulations.

ACCORDING TO EUROPEAN COMMUNITY DIRECTIVE 67/548/EEC, AS AMENDED, THE PRODUCT SHALL BE LABELED:

SYMBOL(S): Xi-Irritant

RISK-PHRASE(S): R36 – Irritating to eyes

SAFETY-PHRASES(S): S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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**SECTION 16: OTHER INFORMATION**

	Health	Fire	Reactivity	Special	Personal Protection Index
<b>NFPA</b>	1	0	0	0	B
<b>HMIS</b>	1	0	0	0	B

**Note to Reader**

The information contained herein is deemed accurate and complete at the time of this publication. Use of the product beyond care, custody and control of the manufacture shall bear no warranty whether implied or expressed. DSC Products, Inc. assumes no liability for injury to any person or property resulting of this product without strict adherence to safety procedures. User bears all risks concerning use of the product as designated through labeling. It is recommended any and all data, directives and recommendations should be followed accordingly. This does not apply to any combination with other materials, chemical compounds or processes not inclusive of aforementioned specifications.