



# SAFETY DATA SHEET

**DSC Products Inc.**

**SDS#: 2335B**

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        | REMOVE                  | 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                      |                                  |                |

## 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 |

**www.dscprod.com**



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#### 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

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

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                              |                          |                                              |                            |                                  |     |
|----------------------------------------------|--------------------------|----------------------------------------------|----------------------------|----------------------------------|-----|
| <b>Boiling Point (degrees F)</b>             | 212F                     | <b>Specific Gravity (H<sub>2</sub>O=1.0)</b> | 1.06                       | <b>pH</b>                        | 4   |
| <b>Vapor Pressure (mm Hg)</b>                | N/A                      | <b>Vapor Density (Air = 1)</b>               | N/A                        | <b>Melting Point (degrees F)</b> | N/A |
| <b>Solubility in Water</b>                   | Complete X               | Invisible                                    | Emulsible (or dispersible) | Slight (or partial)              |     |
| <b>Evaporation Rate (vs. H<sub>2</sub>O)</b> |                          | Faster                                       | Slower                     | About the same X                 |     |
| <b>Appearance and Odor</b>                   | Clear liquid , mint odor |                                              |                            |                                  |     |

#### SECTION 10: STABILITY AND REACTIVITY

|                                         |               |                                 |                                     |
|-----------------------------------------|---------------|---------------------------------|-------------------------------------|
| <b>Stability</b>                        | Stable        | <b>Incompatibility</b>          | Alkaline material, strong oxidizers |
| <b>Hazardous Decomposition Products</b> | Organic fumes | <b>Hazardous Polymerization</b> | Will not occur                      |

#### SECTION 11: TOXICOLOGY INFORMATION

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



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#### 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.

#### SECTION 16: OTHER INFORMATION

|      | Health | Fire | Reactivity | Special | Personal Protection Index |
|------|--------|------|------------|---------|---------------------------|
| NFPA | 1      | 0    | 0          | 0       | B                         |
| HMIS | 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 manufacturer shall bear no warranty whether implied or expressed. DSC Products, Inc. assumes no liability for injury to any person or property resulting from this product without strict adherence to safety procedures. User bears all risks concerning use of the product as designated through labeling. It is recommended that 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.