

# SAFETY DATA SHEET

## CuLator Ascorbic Acid Metal Stain Remover



FILE NO.: CL0005 MSDS DATE: 9/4/2014. Revised 8/13/2015

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CuLator Ascorbic Acid Metal Stain Remover  
OTHER MEANS OF IDENTIFICATION: Not Available  
RECOMMENDED USE: Stain Remover  
RECOMMENDED RESTRICTIONS: None Known

MANUFACTURER: Periodic Products, Inc.  
ADDRESS: 1885 W State Road 84, Ste 104, Fort Lauderdale, FL 33315

EMERGENCY PHONE: 800-587-1213  
CHEMTREC PHONE: 800-424-9300  
OTHER CALLS: 954-764-7654  
FAX PHONE: 954-764-7653

### SECTION 2: HAZARDS IDENTIFICATION

PHYSICAL HAZARDS: Not classified  
HEALTH HAZARDS: Not classified  
ENVIRONMENTAL HAZARDS: Not classified  
OSHA DEFINED HAZARDS: Not classified

LABEL ELEMENTS  
HAZARD SYMBOL: None  
SIGNAL WORD: None  
HAZARD STATEMENT: The mixture does not meet the criteria for classification.  
PRECAUTIONARY STATEMENT:  
PREVENTION: Observe standard industrial hygiene practices.  
RESPONSE: Wash hands after handling.  
STORAGE: Store away from incompatible materials.  
DISPOSAL: Dispose of waste and residues in accordance with local authority requirements.

HAZARD(S) NOT OTHERWISE CLASSIFIED: (HNOC) Not known.

SUPPLEMENTAL INFORMATION: Not applicable

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

DESCRIPTION: Ascorbic Acid  
COMPOSITION COMMENTS: Non-hazardous by WHMIS / OSHA criteria

### SECTION 4: FIRST AID MEASURES

**ALWAYS SEEK PROFESSIONAL MEDICAL ATTENTION AFTER FIRST AID MEASURES ARE PROVIDED.**

EYE CONTACT: Rinse with water. Get medical attention if irritation develops or persists.  
SKIN CONTACT: Rinse skin with water/shower. Get medical attention if irritation develops or persists.  
INGESTION: Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.  
INHALATION: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED: Direct contact with eyes may cause temporary irritation.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Treat symptomatically

GENERAL INFORMATION: Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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### SECTION 5: FIRE-FIGHTING MEASURES

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SUITABLE EXTINGUISHING MEDIA:	Dry chemical, CO <sub>2</sub> , water spray, or regular foam.
UNSUITABLE EXTINGUISHING MEDIA:	None known.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	During fire gases hazardous to health may be formed.
SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
FIRE FIGHTING EQUIPMENT / INSTRUCTIONS:	In the event of fire, cool tanks with water spray.
SPECIFIC METHODS:	Cool containers exposed to flames with water until well after the fire is out.
GENERAL FIRE HAZARDS:	No unusual fire or explosion hazards noted.
HAZARDOUS COMBUSTION PRODUCTS:	Not available.
EXPLOSION DATA	
SENSITIVITY TO MECHANICAL IMPACT:	Not available.
SENSITIVITY TO STATIC DISCHARGE:	Not available.

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Keep unnecessary personnel away. For personal protection, see Section 8 of the SDS.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP:	Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see Section 13 of the SDS.
ENVIRONMENTAL PRECAUTIONS:	Avoid discharge into drains, runoffs, or onto the ground.

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### SECTION 7: HANDLING AND STORAGE

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PRECAUTIONS FOR SAFE HANDLING:	Use care in handling and storage.
CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:	Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

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### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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OCCUPATIONAL EXPOSURE LIMITS:	No exposure limits noted for ingredient(s).
BIOLOGICAL LIMIT VALUES:	No biological exposure limits noted for ingredient(s).
APPROPRIATE ENGINEERING CONTROLS:	General ventilation normally adequate.
INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT	
EYE/FACE PROTECTION:	Not normally needed.
SKIN PROTECTION	
HAND PROTECTION:	Not normally needed.
OTHER:	Wear suitable protective clothing.

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RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required.  
THERMAL HAZARDS: Not applicable.

GENERAL HYGIENE CONSIDERATIONS: Always observe good personal hygiene measure, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Crystals / Powder  
ODOR: Not Available  
ODOR THRESHOLD: Not Available  
PHYSICAL STATE: Solid  
FORM: Solid  
pH: 2.1 – 2.6 (5% solution)  
INITIAL BOILING POINT AND RANGE: Not Available  
MELTING POINT / FREEZING POINT: Not Available  
POUR POINT: Not Available  
SPECIFIC GRAVITY: 1.65 g/ml @ 20° C (Water = 1)  
VAPOR PRESSURE: Not Available  
VAPOR DENSITY (AIR = 1): Not Available  
EVAPORATION RATE: Not Available  
PARTITION COEFFICIENT (n-OCTANOL/WATER): Not Available  
FLASH POINT: Not Available  
FLAMMABILITY (SOLID / GAS): Not Applicable

UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS  
FLAMMABILITY LIMIT – LOWER (%): Not Available  
FLAMMABILITY LIMIT – UPPER (%): Not Available  
EXPLOSIVE LIMIT – LOWER (%): Not Available  
EXPLOSIVE LIMIT – UPPER (%): Not Available

RELATIVE DENSITY: Not Available  
SOLUBILITY (IES): Not Available  
AUTO-IGNITION TEMPERATURE: Not Available  
DECOMPOSITION TEMPERATURE: Not Available  
VISCOSITY: Not Available

### SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None known.  
POSSIBILITY OF HAZARDOUS REACTIONS: No dangerous reactions known under conditions of normal use.  
CHEMICAL STABILITY: Material is stable under normal conditions.  
CONDITIONS TO AVOID: Contact with incompatible materials.  
INCOMPATIBLE MATERIALS: Strong oxidizing agents, caustics, reducing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products are known.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### INFORMATION ON LIKELY ROUTES OF EXPOSURE

INGESTION: Expected to be a low ingestion hazard.  
INHALATION: No adverse effects due to inhalation are expected.  
SKIN CONTACT: No adverse effects due to skin contact are expected.  
EYE CONTACT: Direct contact with eyes may cause temporary irritation.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS: Direct contact with eyes may cause temporary irritation.

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### INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:	Not classified.
SKIN CORROSION / IRRITATION:	Prolonged skin contact may cause temporary irritation.
EXPOSURE MINUTES:	Not Available.
ERYTHEMA VALUE:	Not Available.
OEDEMA VALUE:	Not Available.
SERIOUS EYE DAMAGE / IRRITATION:	Direct contact with eyes may cause temporary irritation.
CORNEAL OPACITY VALUE:	Not Available.
IRIS LESION VALUE:	Not Available.
CONJUNCTIVAL REDDENING VALUE:	Not Available.
CONJUNCTIVAL OEDEMA VALUE:	Not Available.
RECOVERY DAYS:	Not Available.
RESPIRATORY OR SKIN SENSITIZATION	
RESPIRATORY:	Not Available.
SKIN:	Not Available.
GERM CELL MUTAGENICITY:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
MUTAGENICITY:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
CARCINOGENICITY:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>US OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050):</b>	<b>Not Listed</b>
REPRODUCTIVE TOXICITY:	This product is not expected to cause reproductive or developmental effects.
TERATOGENICITY:	Not Available.
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	Not Classified.
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):	Not Classified.
ASPRIATION HAZARD:	Not Classified.
CHRONIC EFFECTS:	Not Classified.
FURTHER INFORMATION:	This product has no known adverse effects on human health.
NAME OF TOXICOLOGICALLY SYNERGISTIC PRODUCTS:	Not Available.

### SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
PERSISTENCE AND DEGRADABILITY:	No data is available on the degradability of this product.
BIOACCUMULATIVE POTENTIAL:	No data available.
MOBILITY IN SOIL:	No data available.
MOBILITY IN GENERAL:	Not Available.

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OTHER ADVERSE EFFECTS: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Collect and reclaim or dispose in sealed containers at licensed waste disposal sites.  
LOCAL DISPOSAL REGULATIONS: Dispose in accordance with all applicable regulations.  
HAZARDOUS WASTE CODE: The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.  
WASTE FROM RESIDUES / UNUSED PRODUCTS: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal Instructions).  
CONTAMINATED PACKAGING: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)  
Not regulated as dangerous goods

TRANSPORTATION OF DANGEROUS GOODS (TDG – CANADA)  
Not regulated as dangerous goods.

### SECTION 15: REGULATORY INFORMATION

#### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):	Not Regulated
Section 12(b) Export Notification (40 CFR 707, Subpt. D):	Not Regulated
CERCLA HAZARDOUS SUBSTANCE LIST (40 CFR 302.4):	Not Listed
US. OSHA SPECIFICALLY REGULATED SUBSTANCES (29 CFR 1910.1001-1050):	Not Listed

#### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)

HAZARD CATEGORIES	IMMEDIATE HAZARD – NO DELAYED HAZARD – NO FIRE HAZARD – NO PRESSURE HAZARD – NO REACTIVITY HAZARD – NO
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SARA 302 EXTREMELY HAZARDOUS SUBSTANCE:	No
SARA 311/312 HAZARDOUS CHEMICAL:	No
SARA 313 (TRI REPORTING):	Not Regulated

#### OTHER FEDERAL REGULATIONS

CLEAN AIR ACT (CAA) SECTION 112 HAZARDOUS AIR POLLUTANTS (HAPS) LIST:	Not Regulated
CLEAN AIR ACT (CAA) SECTION 112(r) ACCIDENTAL RELEASE REVENTION (40 CFR 68.130):	Not Regulated

SAFE DRINKING WATER ACT (SDWA):	Not Regulated
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DRUG ENFORCEMENT ADMINISTRATION (DEA). LIST 2, ESSENTIAL CHEMICALS (21 CFR 1310.02(b) AND 1310.04(f)(2) AND CHEMICAL CODE NUMBER:	Not Listed
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DRUG ENFORCEMENT ADMINISTRATION (DEA). LIST 1 AND 2

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EXEMPT CHEMICAL MIXTURES (21 CFR 1310.12(c)):	Not Regulated
DEA EXEMPT CHEMICAL MIXTURES CODE NUMBER:	Not Regulated
FOOD AND DRUG ADMINISTRATION (FDA):	Not Regulated
<b>US STATE REGULATIONS:</b>	<b>California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.</b>
US – CALIFORNIA PROPOSITION 65 CARCINOGENS AND REPRODUCTIVE TOXICITY (CRT): LISTED SUBSTANCE	Not Listed
US – MASSACHUSETTS RTK – SUBSTANCE LIST:	Not Regulated
US- PENNSYLVANIA RTK – HAZARDOUS SUBSTANCE:	Not Regulated
US – RHODE ISLAND RTK:	Not Regulated

**CANADIAN FEDERAL REGULATIONS:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**WHMIS STATUS:** Not Controlled

**INVENTORY STATUS\***

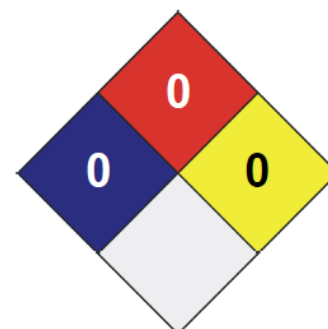
<u>COUNTRY(S) OR REGION</u>	<u>INVENTORY NAME</u>	<u>ON INVENTORY (YES/NO)</u>
UNITED STATES	TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY	YES
PUERTO RICO	TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY	YES
CANADA	DOMESTIC SUBSTANCES LIST (DSL)	YES

\* A "YES" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

**SECTION 16: OTHER INFORMATION**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>HEALTH</b>	/ 0
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	X



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Disclaimer: Periodic Products believes that the information herein is factual but is not intended to be all inclusive. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Because safety standards and regulations are subject to change and because Periodic Products has no control over the material, those handling, storing or using the material should satisfy themselves that they have current information regarding the particular way the material is handled, stored, or used and that the same is done in accordance with federal, state, and local law. Periodic Products makes no warranty, expressed or implied, including (without limitation) warranties with respect to the completeness or continuing accuracy of the information contained herein or with respect to fitness for any particular use.

CURRENT ISSUE DATE:  
EFFECTIVE DATE:  
EXPIRY DATE:  
FURTHER INFORMATION:

AUGUST 13, 2015  
AUGUST 13, 2015  
JANUARY 1, 2017  
For an updated SDS, please contact the supplier / manufacturer listed on the first page of this document.

OTHER INFORMATION:

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard (HCS) adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).  
This SDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.

PREPARED BY:

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