

## SAFETY DATA SHEET

**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 1 of 20  
Print Date 01/11/2020

# SAFETY DATA SHEET

## Geon™ DB5009 Red Elect Non-Lead LC

### Section 1. Identification

GHS product identifier : Geon™ DB5009 Red Elect Non-Lead LC  
 Chemical name : Mixture  
 CAS number : Mixture  
 Other means of identification : FO20032256  
 Product type : liquid

#### Relevant identified uses of the substance or mixture and uses advised against

Product use : Industrial applications. Plastics.

Supplier's details : **POLYONE CORPORATION**  
 33587 Walker Road, Avon Lake, OH 44012  
 1 (440) 930-1000 or 1 (866) POLYONE

Emergency telephone number (with hours of operation) : CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

### Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : EYE IRRITATION - Category 2A  
 SKIN SENSITIZATION - Category 1  
 CARCINOGENICITY - Category 2

#### GHS label elements

## SAFETY DATA SHEET

**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 2 of 20  
Print Date 01/11/2020

**Hazard pictograms****Signal word****Hazard statements**

- : Warning
- : Causes serious eye irritation.
- : May cause an allergic skin reaction.
- : Suspected of causing cancer.

**Precautionary statements****General****Prevention****Response****Storage****Disposal****Supplemental label elements****Hazards not otherwise classified**

- : Not applicable.
- : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Avoid breathing vapor. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
- : IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
- : Store locked up.
- : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- : None known.
- : None known.
- : Not available.

**Section 3. Composition/information on ingredients**
**Substance/mixture****Chemical name****Other means of identification**

- : Mixture
- : Mixture
- : FO20032256

**CAS number/other identifiers**

Ingredient name	%	CAS number
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	10 - 25	68515-48-0

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

 Version Number 1.1  
 Revision Date 01/09/2020

 Page 3 of 20  
 Print Date 01/11/2020

Antimony trioxide	1 - 3	1309-64-4
Calcium oxide	1 - 2.9	1305-78-8
Bisphenol A - Epichlorohydrin polymer	0.3 - 1	25068-38-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 4 of 20  
Print Date 01/11/2020

unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Most important symptoms/effects, acute and delayed**
**Potential acute health effects**

- Eye contact** : Causes serious eye irritation.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : May cause an allergic skin reaction.
- Ingestion** : No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : No specific data.
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

**Indication of immediate medical attention and special treatment needed, if necessary**

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

**Section 5. Firefighting measures**

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 5 of 20  
Print Date 01/11/2020

**Extinguishing media**

- Suitable extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : May emit Hydrogen Chloride (HCl).  
Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
halogenated compounds  
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Section 6. Accidental release measures**
**Personal precautions, protective equipment and emergency procedures**

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and materials for containment and cleaning up**

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-

**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 6 of 20  
Print Date 01/11/2020

**Large spill**

insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

- : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

**Protective measures**

- : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene**

- : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities**

- : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store in a well-ventilated place. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

 Version Number 1.1  
 Revision Date 01/09/2020

 Page 7 of 20  
 Print Date 01/11/2020

**Section 8. Exposure controls/personal protection**
**Control parameters**
**Occupational exposure limits**

Ingredient name	Exposure limits
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	None.
Antimony trioxide	<b>NIOSH REL (1994-06-01)</b> TWA 0.5 mg/m <sup>3</sup> <b>OSHA PEL 1989 (1989-03-01)</b> TWA 0.5 mg/m <sup>3</sup> (as antimony) <b>OSHA PEL (1993-06-30)</b> TWA 0.5 mg/m <sup>3</sup> (as antimony)
Calcium oxide	<b>ACGIH TLV (1994-09-01)</b> TWA 2 mg/m <sup>3</sup> <b>NIOSH REL (1994-06-01)</b> TWA 2 mg/m <sup>3</sup> <b>OSHA PEL 1989 (1989-03-01)</b> TWA 5 mg/m <sup>3</sup> <b>OSHA PEL (1993-06-30)</b> TWA 5 mg/m <sup>3</sup>
Bisphenol A - Epichlorohydrin polymer	None.

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 8 of 20  
Print Date 01/11/2020

- of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : liquid [liquid]  
**Color** : RED  
**Odor** : Not available.  
**Odor threshold** : Not available.  
**pH** : Not available.  
**Melting point** : Not available.  
**Boiling point** : Not available.



## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 9 of 20  
Print Date 01/11/2020

<b>Flash point</b>	:	Not available.
<b>Burning time</b>	:	Not available.
<b>Burning rate</b>	:	Not available.
<b>Evaporation rate</b>	:	Not available.
<b>Flammability (solid, gas)</b>	:	Not available.
<b>Lower and upper explosive (flammable) limits</b>	:	<b>Lower:</b> Not available. <b>Upper:</b> Not available.
<b>Vapor pressure</b>	:	Not available.
<b>Vapor density</b>	:	Not available.
<b>Relative density</b>	:	Not available.
<b>Solubility</b>	:	Not available.
<b>Solubility in water</b>	:	Not available.
<b>Partition coefficient: n-octanol/water</b>	:	Not available.
<b>Auto-ignition temperature</b>	:	Not available.
<b>Decomposition temperature</b>	:	Not available.
<b>SADT</b>	:	Not available.
<b>Viscosity</b>	:	<b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available.

**Aerosol product**

<b>Heat of combustion</b>	:	Not available.
<b>Ignition distance</b>	:	Not available.
<b>Enclosed space ignition - Time equivalent</b>	:	Not available.
<b>Enclosed space ignition - Deflagration density</b>	:	Not available.
<b>Flame height</b>	:	Not available.
<b>Flame duration</b>	:	Not available.

**Section 10. Stability and reactivity**

<b>Reactivity</b>	:	No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	:	Stable under recommended storage and handling conditions (see Section 7).
<b>Possibility of hazardous reactions</b>	:	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	:	Keep away from extreme heat and oxidizing agents.
<b>Incompatible materials</b>	:	Avoid contact with acetal homopolymers and acetyl homopolymers during processing.
<b>Hazardous decomposition products</b>	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

 Version Number 1.1  
 Revision Date 01/09/2020

 Page 10 of 20  
 Print Date 01/11/2020

**Section 11. Toxicological information**

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

**Information on toxicological effects**
**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Bisphenol A - Epichlorohydrin polymer				
	LD50 Oral	Rat	11,400 mg/kg	-
<b>Remarks - Inhalation:</b>	No applicable toxicity data			
<b>Remarks - Dermal:</b>	No applicable toxicity data			
Calcium oxide				
<b>Remarks - Oral:</b>	No applicable toxicity data			
<b>Remarks - Inhalation:</b>	No applicable toxicity data			
<b>Remarks - Dermal:</b>	No applicable toxicity data			
Antimony trioxide				
	LD50 Oral	Rat	34,000 mg/kg	-
<b>Remarks - Inhalation:</b>	No applicable toxicity data			
<b>Remarks - Dermal:</b>	No applicable toxicity data			
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich				
	LD50 Oral	Rat	10,000 mg/kg	-
<b>Remarks - Inhalation:</b>	No applicable toxicity data			
<b>Remarks - Dermal:</b>	No applicable toxicity data			

**Conclusion/Summary** : Mixture. Not fully tested.

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
Bisphenol A - Epichlorohydrin polymer	Eyes - Mild irritant	Rabbit			-
	Eyes - Mild irritant	Rabbit			-
	Skin - Moderate irritant	Rabbit		24 hrs	-
	Skin - Severe irritant	Rabbit		24 hrs	-
	Eyes - Mild irritant	Rabbit			-

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

 Version Number 1.1  
 Revision Date 01/09/2020

 Page 11 of 20  
 Print Date 01/11/2020

Antimony trioxide	Eyes - Mild irritant	Rabbit			-
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	Eyes - Mild irritant	Rabbit			-

**Conclusion/Summary**

**Skin** : Mixture.Not fully tested.  
**Eyes** : Mixture.Not fully tested.  
**Respiratory** : Mixture.Not fully tested.

**Sensitization****Conclusion/Summary**

**Skin** : Mixture.Not fully tested.  
**Respiratory** : Mixture.Not fully tested.

**Mutagenicity****Conclusion/Summary**

: Mixture.Not fully tested.

**Carcinogenicity****Conclusion/Summary**

: Mixture.Not fully tested.

**Classification**

Product/ingredient name	OSHA	IARC	NTP
Antimony trioxide	-	2B	-

**Reproductive toxicity****Conclusion/Summary**

: Mixture.Not fully tested.

**Teratogenicity****Conclusion/Summary**

: Mixture.Not fully tested.

**Specific target organ toxicity (single exposure)**

Name	Category	Route of exposure	Target organs
Calcium oxide	Category 3	Not applicable	Respiratory tract irritation

**Specific target organ toxicity (repeated exposure)**

Not available.

## SAFETY DATA SHEET

**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 12 of 20  
Print Date 01/11/2020

**Aspiration hazard**

Not available.

**Information on likely routes of exposure** : Not available.

**Potential acute health effects**

**Eye contact** : Causes serious eye irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : May cause an allergic skin reaction.  
**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : Adverse symptoms may include the following: pain or irritation, watering, redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following: irritation, redness  
**Ingestion** : No specific data.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Short term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

**Potential chronic health effects**

**Conclusion/Summary** : Mixture. Not fully tested.  
**General** : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.  
**Carcinogenicity** : Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

## SAFETY DATA SHEET

**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 13 of 20  
Print Date 01/11/2020

Numerical measures of toxicityAcute toxicity estimates

Not available.

## Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Bisphenol A - Epichlorohydrin polymer			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic invertebrates.:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		
Calcium oxide			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic invertebrates.:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
	Chronic NOEC 100 Mg/l Fresh water	Fish - Fish	46 d
<b>Remarks - Chronic - Fish:</b>	Chronic		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		
Antimony trioxide			
	Acute LC50 > 530 Mg/l Fresh water	Fish - Fish	96 h
<b>Remarks - Acute - Fish:</b>	Acute		
	Acute EC50 560 Mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
<b>Remarks - Acute - Aquatic invertebrates.:</b>	Acute		
	Acute EC50 423.45 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

 Version Number 1.1  
 Revision Date 01/09/2020

 Page 14 of 20  
 Print Date 01/11/2020

<b>Remarks - Acute - Aquatic invertebrates.:</b>	Acute		
	Acute EC50 0.73 Mg/l Fresh water	Aquatic plants - Algae	72 h
<b>Remarks - Acute - Aquatic plants:</b>	Acute		
	Acute EC50 0.74 Mg/l Fresh water	Aquatic plants - Algae	96 h
<b>Remarks - Acute - Aquatic plants:</b>	Acute		
	Acute NOEC 0.2 Mg/l Fresh water	Aquatic plants - Algae	96 h
<b>Remarks - Acute - Aquatic plants:</b>	Chronic		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic invertebrates.:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		

**Conclusion/Summary** : Not available.

**Persistence and degradability**
**Conclusion/Summary** : Not available.

**Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Bisphenol A - Epichlorohydrin polymer	2.64 - 3.78	31.00	low
Calcium oxide	-	2.34	low
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	8.8	3.00	low

**Mobility in soil**
**Soil/water partition coefficient** : Not available.

## SAFETY DATA SHEET

**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 15 of 20  
Print Date 01/11/2020

(KOC)  
Other adverse effects : No known significant effects or critical hazards.

**Section 13. Disposal considerations**

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**United States - RCRA Acute hazardous waste "P" List:** Not listed

**United States - RCRA Toxic hazardous waste "U" List:** Not listed

**Section 14. Transport information**

U.S.DOT 49CFR : Not regulated for transportation.  
Ground/Air/Water

International Air : Consult mode specific transport rules  
ICAO/IATA

International Water : Consult mode specific transport rules  
IMO/IMDG

**Section 15. Regulatory information**

U.S. Federal regulations : **United States - TSCA 12(b) - Chemical export notification:** None of the components are listed.  
**United States - TSCA 4(a) - Final Test Rules:** Listed **1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich**

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 16 of 20  
Print Date 01/11/2020

**United States - TSCA 4(a) - ITC Priority list:** Not listed  
**United States - TSCA 4(a) - Proposed test rules:** Not listed  
**United States - TSCA 4(f) - Priority risk review:** Not listed  
**United States - TSCA 5(a)2 - Final significant new use rules:** Not listed  
**United States - TSCA 5(a)2 - Proposed significant new use rules:** Not listed  
**United States - TSCA 5(e) - Substances consent order:** Not listed  
**United States - TSCA 6 - Final risk management:** Not listed  
**United States - TSCA 6 - Proposed risk management:** Listed  
**Lead**

**United States - TSCA 8(a) - Chemical risk rules:** Not listed  
**United States - TSCA 8(a) - Dioxin/Furane precursor:** Not listed  
**United States - TSCA 8(a) - Chemical Data Reporting (CDR):** Not determined  
**United States - TSCA 8(a) - Preliminary assessment report (PAIR):** Listed Poly(dimethylsiloxane)

**United States - TSCA 8(c) - Significant adverse reaction (SAR):** Not listed  
**United States - TSCA 8(d) - Health and safety studies:** Not listed  
**United States - EPA Clean water act (CWA) section 307 - Priority pollutants:** Listed Phenol  
 Antimony trioxide  
 Arsenic  
 Lead

**United States - EPA Clean water act (CWA) section 311 - Hazardous substances:** Listed  
**United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances:** Not listed  
**United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances:** Not listed  
**United States - Department of commerce - Precursor chemical:** Not listed

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Listed  
**Clean Air Act Section 602 Class I Substances** : Not listed  
**Clean Air Act Section 602 Class II Substances** : Not listed  
**DEA List I Chemicals (Precursor Chemicals)** : Not listed



## SAFETY DATA SHEET

**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 17 of 20  
Print Date 01/11/2020

DEA List II Chemicals (Essential Chemicals) : Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification : EYE IRRITATION - Category 2A  
SKIN SENSITIZATION - Category 1  
CARCINOGENICITY - Category 2

Composition/information on ingredients

Name	%	Classification
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	>= 10 - <= 25	EYE IRRITATION - Category 2B
Antimony trioxide	>= 1 - <= 3	EYE IRRITATION - Category 2B CARCINOGENICITY - Category 2
Calcium oxide	>= 1 - <= 2.9	SKIN IRRITATION - Category 2 SERIOUS EYE DAMAGE - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Respiratory tract irritation - Category 3
Bisphenol A - Epichlorohydrin polymer	>= 0.3 - < 1	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2B SKIN SENSITIZATION - Category 1

SARA 313
Form R - Reporting requirements

Product name	CAS number	%
Antimony trioxide	1309-64-4	>= 1 - <= 3
Lead	7439-92-1	> 0 - < 0.1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

## SAFETY DATA SHEET


**Geon™ DB5009 Red Elect Non-Lead LC**


 Version Number 1.1  
 Revision Date 01/09/2020

 Page 18 of 20  
 Print Date 01/11/2020

**State regulations**

- Massachusetts** : None of the components are listed.
- New York** : The following components are listed:  
Antimony trioxide
- New Jersey** : The following components are listed:  
Calcium oxide  
Antimony trioxide  
Calcium carbonate  
Ethene, chloro-, homopolymer
- Pennsylvania** : The following components are listed:  
Calcium oxide  
  
Antimony trioxide  
  
Calcium carbonate

**California Prop. 65**

 **WARNING:** This product can expose you to chemicals including 1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich, Antimony trioxide, which are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Ingredient name	No significant risk level	Maximum acceptable dosage level
Antimony trioxide	-	-
1,2-Benzenedicarboxylic acid, di-C8-10-branched alkyl esters, C9-rich	Yes.	-

**United States inventory (TSCA 8b)** : All components are active or exempted.

**Canada inventory** : At least one component is not listed in DSL but all such components are listed in NDSL.

**International regulations**
**Inventory list**

- Australia** : All components are listed or exempted.
- Canada** : At least one component is not listed in DSL but all such components are listed in NDSL.
- China** : All components are listed or exempted.
- Europe inventory** : All components are listed or exempted.
- Japan** : Not determined.
- New Zealand** : All components are listed or exempted.

## SAFETY DATA SHEET

**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 19 of 20  
Print Date 01/11/2020

<b>Philippines</b>	:	All components are listed or exempted.
<b>Republic of Korea</b>	:	All components are listed or exempted.
<b>Taiwan</b>	:	All components are listed or exempted.
<b>Turkey</b>	:	Not determined.
<b>United States</b>	:	All components are active or exempted.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

<b>Health</b>	*	2
<b>Flammability</b>		0
<b>Physical hazards</b>		0

**Caution:** HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### History

<b>Date of printing</b>	:	01/11/2020
<b>Date of issue/Date of revision</b>	:	01/09/2020
<b>Date of previous issue</b>	:	10/31/2013
<b>Version</b>	:	1.1

<b>Key to abbreviations</b>	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
<b>References</b>	:	Not available.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-

**SAFETY DATA SHEET**



**Geon™ DB5009 Red Elect Non-Lead LC**

Version Number 1.1  
Revision Date 01/09/2020

Page 20 of 20  
Print Date 01/11/2020

---

named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.