

Diamapro-ESD Spartic Part A

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION

MANUFACTURER: Diamapro Systems, Inc.	EMERGENCY PHONE:	1-800-424-9300
ADDRESS: 4833 Sandy Porter Road	INFORMATION PHONE:	1-800-622-2048
Charlotte, NC 28273	NAME OF PREPARER:	Safety Director

PRODUCT NAME: Diamapro® Diamapro-ESD Spartic Part A (Conductive and Dissipative)

SECTION 2 - HAZARDS IDENTIFICATION

Emergency Overview

May cause sensitization by skin contact (H317). Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment (H412).

WARNING

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long-lasting effects.



Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P171: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P370 + P378: In case of fire, use carbon dioxide, dry chemical or foam for extinction.
P303+P361+P353: IF ON SKIN (or hair), Remove/take off immediately all contaminated clothing.
Rinse skin with water/shower.

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P304+P340: IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P311: IF SWALLOWED, immediately call a POISON CENTER or doctor/physician.

P305+P351+P338: IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331: Do NOT induce vomiting.

P332+P313: If skin irritation occurs, get medical advice/attention.

P337+P313: If eye irritation persists, get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

P370+P378: In case of fire, use carbon dioxide, dry chemical or alcohol-resistant foam for extinction.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P235: Keep cool.

Disposal:

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other Information: No data available.

Carcinogenicity: No carcinogenic substances as defined by IARC, NTP and/or OSHA. See Section 12 for Ecological Information.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

The specific chemical identity and exact concentration of composition has been withheld as a trade secret.

Chemical Name	CAS No.	Concentration (% by Weight)
Aspartic Acid, N, N'-[methylenebis(2-methyl 4,1-cyclohexanediyl)]bis-,1,1'4,4''-tetraethyl ester	136210-32-7	80-90%
dimethyl glutarate	1119-40-0	1-5%
dimethyl adipate	627-93-0	1-5%
2,3-epoxypropyl neodecanoate	26761-45-5	<1%
Polymer	Trade Secret	<1%
Single wall carbon nanotubes	7440-44-0	<1%
Alkylolammonium salt	398475-96-2	<1%

See Section 11 for Toxicological Information.



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SECTION 4 - FIRST AID MEASURES

Contact with Eyes

In case of contact, flush eyes with plenty of lukewarm water. Use fingers to ensure that eyelids are separated and the eye is being irrigated. Get medical attention.

Contact with Skin

In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Thoroughly clean shoes before reuse. Wash clothing and other apparel before reuse.

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

SECTION 5 - FIRE AND EXPLOSION HAZARD DATA

Suitable Extinguishing Media

Use carbon dioxide, foam, and dry chemical. Use water spray to keep fire-exposed containers cool.

Unsuitable Extinguishing Media

High volume water jet.

Unusual Fire and Explosion Hazards

Wear protective clothing and self-contained breathing apparatus to protect against potential toxic and irritating fumes. Cool exposed containers with water spray. Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

Hazardous Combustion Products

carbon dioxide, carbon monoxide, oxides of nitrogen, and unidentified compounds.

Advice for Fire Fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Closed container may forcibly rupture under extreme heat. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture. Toxic gases/fumes may be given off during burning or thermal decomposition.



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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Wear appropriate personal protective equipment. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform authorities if the product has caused environmental pollution (sewers, drains, waterways or soil).

Containment/Clean-up Measures

Cleanup personnel must use appropriate personal protective equipment. Evacuate and keep unnecessary personnel out of spill area. Remove all sources of ignition, including flames, heat, and sparks. Stop leak if without risk. Move containers from spill area. Dike or dam spilled material with non-combustible, absorbent material (e.g., sand, earth, vermiculite, or diatomaceous earth) and control further spillage, where possible. Collect and place spilled material in container for proper disposal according to appropriate local, state and federal regulations. Do not allow spilled material or wash water to enter sewers, surface waters or groundwater systems. Use grounded or non-sparking tools and equipment. Wash spill area with soap and water. Dispose any waste according to appropriate local, state, and federal regulations.

SECTION 7 - HANDLING AND STORAGE

Handling

Do not breathe vapors or spray mist. Avoid contact with eyes or skin. Avoid contact with clothing. Use only with adequate ventilation and personal protection. Remove contaminated personal protective equipment (PPE), then wash hands and face thoroughly after handling and before eating and drinking. Keep container closed when not in use. Empty containers retain product residue and can be hazardous. Do not get in eyes, on skin or on clothing. Do not ingest. Avoid release to the environment.

Storage

Storage period is 6 months after delivery by Pflaumer. Maximum storage temperature is 30°C (86°F). Keep away from food products during use and storage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled, unapproved or reactive containers. Use appropriate containment to avoid environmental contamination. Personnel education and training in the safe use and handling of this product are required under OSHA Hazard Communication Standard 29 CFR 1910.1200.



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Incompatible Materials or Ignition Sources

Hazardous polymerization does not occur. Avoid strong oxidizing agents, acids, isocyanates.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Special Note for Exposure Control

Consult local authorities for further acceptable exposure limits.

Chemical Name	Result	ACGIH/OSHA
Aspartic Acid, N, N' -[methylenebis(2 methyl-4,1-	STELs	None established.
cyclohexanediyl)]bis-,1,1'4,4"	TWAs	None established.
tetraethyl ester (CAS 136210-32-7)	PEL	None established.

Engineering Measures/Controls

General dilution and local exhaust as necessary to control airborne vapors, mists, dusts, and thermal decomposition products below appropriate airborne concentration standards and guidelines.

Environmental Exposure Controls

Avoid release to the environment. Construct a dike to prevent spreading of spills.

Hygiene Measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating and drinking, smoking or using the lavatory and at the end of the working period. 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.

General Industrial Hygiene Considerations

Keep away from food and drink. Wash hands and face after use. Educate and train workers in the safe use and handling of this product. Emergency showers and eye wash stations should be available.

Personal Protective Equipment

Respiratory In case of inadequate ventilation, wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use positive pressure supplied air respirator when airborne concentrations are not known, when airborne solvent levels are 10 times the appropriate TLV, and when spraying is performed or product is applied by aerosol in a confined space or area with limited ventilation. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Contact health and safety professional or manufacturer for specific information.



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Eye/Face

Use chemical resistant goggles. Chemical safety goggles in combination with a full face shield must be used if a splash hazard exists.

Hands

Use permeation resistant gloves such as butyl rubber, nitrile rubber, or neoprene.

Skin/Body

Wear rubber or plastic apron and permeation resistant clothing, chemical-resistant gloves, and long-sleeved shirts, and pants. Remove and wash contaminated clothing before re-use.

Key to Abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

MSHA = Mine Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day 40hr/week exposures

STEL = Short Term Exposure Limits are based on 15-minute exposures

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid, black
Odor	Slight inherent odor
Odor Threshold	No data available
pH	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	>200°C
Flash Point	74°C ca
Evaporation Rate	No data available
Flammability	No data available
Upper/Lower Flammability or Explosive Limits	No data available
Auto-ignition Temperature	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density	No data available
Specific Gravity	No data available
Solubility(ies)	Insoluble
Partition Coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
VOC (Volatile Organic Compounds) <	100 g/L

SECTION 10 - STABILITY AND REACTIVITY DATA

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Chemical Stability

Stable

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Extreme heat.

Incompatible Materials

Strong oxidizing agents, acids, and isocyanates.

Hazardous Decomposition Products

Carbon dioxide, carbon monoxide, oxides of nitrogen, other undetermined compounds.

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

LD50 Oral Rat >2,000 mg/kg

LC50 Inhalation Rat >4,224 mg/l, 4h

LD50 Dermal Rat >2,000 mg/kg

IMMEDIATE (ACUTE) EFFECTS

Skin Corrosion/Irritation (Rabbit, 24h): None

Skin Sensitization (Guinea Pig): Positive

Carcinogenicity: OSHA Not Listed. IARC Not Listed. NTP Not Listed.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity

Acute Toxicity to Fish: LC50 66 mg/l (Zebra Fish, 96h), LC50 88.6 mg/l (Water Flea, 96h); Acute

Toxicity to algae: ErC50 113 mg/l.

Persistence and Degradability

Not readily degradable.

Bioaccumulative Potential

Bioaccumulation ca. 8,228 BCF.

Other Adverse Effects

Toxicity to terrestrial Plants: EC50 \geq 100 mg/kg, 14d)

Other Information

Toxicity to Microorganisms: EC 50: 3,110 mg/l (bacteria, 3 h).



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SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Dispose in accordance with Federal, State, and Local laws and regulations. The generation of waste should be avoided or minimized wherever possible. Empty containers should be taken to an approved waste handling site for recycling or disposal. Incineration or landfill should only be considered when recycling is not feasible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty Container Precautions

Do not heat or cut container with electric or gas torch. Recondition or dispose of empty container in accordance with governmental laws and regulations. Do not reuse empty container without proper cleaning. Label precautions also apply to this container when empty.

SECTION 14 - TRANSPORT INFORMATION

	UN Number	UN Proper Shipping Name	Transport Hazard Class(es)	Packing Group	Environmental Hazards
DOT	Not regulated	Not regulated	Not regulated	Not regulated	H412 Harmful to aquatic life with long-lasting effects.
IMO/IMDG	Not regulated	Not regulated	Not regulated	Not regulated	H412 Harmful to aquatic life with long-lasting effects.
IATA/CAO	Not regulated	Not regulated	Not regulated	Not regulated	H412 Harmful to aquatic life with long-lasting effects.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code.

SECTION 15 - REGULATORY INFORMATION

Safety and Environmental Regulations/ Legislation Specific for the Substance or Mixture

SARA Hazard Classifications

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STATE RIGHT TO KNOW

COMPONENT	CAS	MA	NJ	PA
Aspartic Acid, N, N'-[methylenebis(2-methyl-4,1-cyclohexanediyl)]bis-,1,1'4,4"-tetraethyl ester	136210-32 7	136210-32 7	136210-32 7	136210-32 7

INVENTORY

COMPONENT	CAS	INVENTORIES
Aspartic Acid, N, N'-[methylenebis(2-methyl-4,1-cyclohexanediyl)]bis-,1,1'4,4"-tetraethyl ester	136210-32-7	TSCA, DSL, EINECS/ELINCS, AICS, TECSC, HSNO, NCSR, KECI

United States

Environment

U.S. – CERCLA/SARA – Hazardous Substances and their Reportable Quantities: None.
 U.S. – SARA – Section 311/312 Hazard Categories: None.
 U.S. – CERCLA/SARA – Section 302 Extremely Hazardous Substances TPQs: None
 U.S. – CERCLA/SARA – Section 313 – Emissions Reporting: None
 U.S. – CERCLA/SARA – Section 313 – PBT Chemical Listing: None

United States – California

Environment

U.S. – California – Proposition 65 – Carcinogens List: None
 U.S. – California – Proposition 65 – Developmental Toxicity: None
 U.S. – California – Proposition 65 – Maximum Allowable Dose Levels (MADL): None
 U.S. – California – Proposition 65 – No Significant Risk Levels (NSRL): None
 U.S. – California – Proposition 65 – Reproductive Toxicity – Female: None
 U.S. – California – Proposition 65 – Reproductive Toxicity – Male: None

SECTION 16 - OTHER INFORMATION

Full text of Hazardous “H” Warnings:

H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.
 H412 Harmful to aquatic life with long-lasting effects.



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Full text of "R" Phrases:

R22 Harmful if swallowed.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R43 May cause sensitization by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Personal Protection: protective clothing, impervious gloves, safety goggles, OSHA/NIOSH-approved respirator

Revision Date: 11/12/2025

By: Scott Thome

The information herein is based on data considered to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or results. Also this shall not establish a legally valid contractual relationship.

Vendor assumes no responsibility for injury to vendee or third person proximately caused if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in use of the material.

Our products are intended for sale to industrial and commercial customers. We encourage customers to inspect and test our products before use and to satisfy themselves as to suitability for their specific applications.

Warranty: The manufacturer warrants that products sold comply with specifications as represented and will perform satisfactorily if used according to the directions, or the manufacturer will refund or replace any unused portion thereof, for a period of one year from the date of manufacture. The manufacturer does not make any other warranty, or assume responsibility of any kind, expressed or implied regarding the effect or result of the products use; and assumes no responsibility of injury to vendee or third parties proximately caused by the material if reasonable safety procedures are not adhered to.