

Polyaspartic Clear Resin

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Polyaspartic Clear Resin
Common Name: Polyaspartic Ester
SDS Number: 92A/85A/75A Clear Resin
Product Description: High Solids Polyaspartic Component "A"
Product Use: Floor Coatings

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 1
 Health, Skin corrosion/irritation, 1 A
 Health, Skin sensitization, 1

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

H318 - Causes serious eye damage
 H314 - Causes severe skin burns and eye damage
 H317 - May cause an allergic skin reaction

GHS Precautionary Statements:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P264 - Wash _ thoroughly after handling.
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
 P272 - Contaminated work clothing should not be allowed out of the workplace.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eyes; Ingestion; Skin;
Inhalation: Minimal respiratory tract irritation may occur with exposure to a large amount of material.
Skin Contact: May cause irritation, tearing and redness.
Eye Contact: May cause irritation.
Ingestion: Ingestion is not an applicable route of entry for intended use.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients:	
CAS#	% Chemical Name:
136210-30-5	60-95% Aspartic acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, tetraethyl ester
98-56-6	0-15% Parachlorobenzotrifluoride
-40-7	3-10% Proprietary
88917-22-0	0-15% Propanol, 1(or 2)-(2-methoxymethylethoxy)-, acetate

4

FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact: Remove contaminated clothing and wash before reuse. Get medical attention if needed.
Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention.
Ingestion: Bring to the attention of a physician. Do NOT induce vomiting or attempt chemical neutralization. Rinse mouth with water. Get prompt, qualified medical attention.

5

FIRE FIGHTING MEASURES

Flammability: 2
Flash Point: 118F
Flash Point Method: Tag CC
Burning Rate: Not Determined
 Extinguishing media: Foam/Carbon Dioxide/Dry Chemical/Water fog
 Special Fire Fighting Procedures: Wear self contained breathing apparatus and complete PPE when entering confined areas where potential for exposure to vapors or product exists.

6

ACCIDENTAL RELEASE MEASURES

Do not discharge into drains.
 Pick up excess with inert absorbant material and place into separate waste container.

7

HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes, skin, or clothing. Handle with care and avoid spillage on the floor (slippage). Keep material out of reach of children. Use approved containers only. Wash clothing before reuse and decontaminate or discard contaminated shoes. Wash thoroughly after handling.
Storage Requirements: Keep away from heat, sparks, and flames. Suitable packing materials.

8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use mechanical (general) ventilation for storage areas.
Personal Protective Equipment: Chemical goggles; Chemical resistant gloves; Chemical safety glasses; Organic vapor respirator with dust, mist, and fume filters; Full suit;
Exposure Limits:

USA OSHA (TWA₅)/PEL): N/A

ACGIH (TWA/TLV): N/A

DFG (MAK): N/A

9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid.
Physical State: Liquid **Percent Volatile:** <25%
Spec Grav./Density: 1-1.1

10

STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients
Chemical Stability: Product is stable under normal conditions.
Conditions to Avoid: No specific data
Materials to Avoid: No specific data
Hazardous Decomposition: Not known.
Hazardous Polymerization: Will not occur.

Acute Toxicity:

Oral (LD 50): Estimated to be greater than 10000 MG/KG (rats)

Inhalation (LC 50): Lower respiratory irritant

Skin irritation: Primary dermal irritation score: 3.8/8.0 (rabbit

Eye irritation: Severe irritant capable of inducing corneal injury

Sensitization: Pulmonary and dermal sensitizer in animals and humans

Chronic Toxicity:

Toxicity to fish:

semi-static test LC50 - Oncorhynchus mykiss; Salmo Trutta - 110.55 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates:

static test EC50 - Daphnia magna (Water flea) - 2,701.1 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae:

static test NOEC - Raphidocelis subcapitata (freshwater green alga) - > 1,000 mg/l - 72 h (OECD Test Guideline 201)

static test ErC50 - Raphidocelis subcapitata (freshwater green alga) - > 1,000 mg/l - 72 h (OECD Test Guideline 201)

Toxicity to bacteria:

static test EC50 - activated sludge - > 1,000 mg/l - 3 h (OECD Test Guideline 209)

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

Not hazardous product according to these transport classifications.

Component (CAS#) [%] - CODES

Aspartic acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, tetraethyl ester (136210-30-5) [60-95%] TSCA

Benzene, 1-chloro-4-(trifluoromethyl)- (98-56-6) [6-12%] TSCA

Proprietary (-40-7) [3-5%]

R 41 Risk of serious damage to eyes.

R 42/43 May cause sensitization by inhalation and skin contact.

R 47 May cause birth defects.

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory CODE Descriptions

TSCA = Toxic Substances Control Act

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

The above information is not claiming characteristics of the product in term of legal claims of performance / guarantee.

This information only describes safety measures and no liability may arise from the use or application of the product described herein.

This information is given in good faith and based on our current knowledge of the product.

Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

The above information is not claiming characteristics of the product in term of legal claims of performance / guarantee.

This information only describes safety measures and no liability may arise from the use or application of the product described herein.

This information is given in good faith and based on our current knowledge of the product.

Revision Date: [N/A]