

Alka Pro-Seal

2-part clear & transparent polyaspartic resin



MATERIAL SAFETY DATA SHEET

ALKA PRO-SEAL PART A

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier	Alka Coatings Pty Ltd	EMERGENCY CONTACT	0405 702 952
Address	2/4 Cobar place, Gregory Hills NSW 2557		
Telephone	1300 515 150		
Synonym(s)	Polyaspartic Paint Part A		
SDS Date	25/05/2023		

2. HAZARDS IDENTIFICATION

GHS Classification	Placard	Keyword	GHS Hazard phrase
Skin Corrosion/Irritation, Category 2	Exclamation point	Warning	Causes skin irritation
Serious Eye Damage/Eye Irritation, Category 2B	None	Warning	Causes eye irritation
Skin Sensitization, Category 1B	Exclamation point	Warning	May cause an allergic reaction

GHS Hazard Phrases

H315	Causes skin irritation
H317	Causes eye irritation
H320	May cause an allergic skin reaction
H335	May cause respiratory irritation

GHS Precaution Phrases

P281	Use personal protective equipment as required.
P262	Do not get in eyes, on skin, or on clothing.
P280	Wear protective gloves/protective clothing/eye protection.
P261	Avoid breathing mist/vapors.
P273	Avoid release to the environment.

GHS Response Phrases

P302+352	IF ON SKIN: Wash with plenty of soap and water.
P362	Take off contaminated clothing.
P332+313	If skin irritation occurs, get medical advice/attention.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P337+313	If eye irritation persists, get medical advice/attention.
P301+330+331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P315	Get immediate medical advice/attention.

GHS Storage and Disposal Phrases

P403+235	Store in cool/well-ventilated place.
P404	Store in a closed container

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Potential Health Effects (Acute and Chronic)	Causes skin and eye irritation. May cause skin sensitization, an allergic reaction, which becomes evident on re-exposure to this material.
Inhalation	May cause respiratory irritation.
Skin Contact	Causes skin irritation.
Eye Contact	Causes eye irritation.
Ingestion	May be harmful if swallowed.
Recommended Exposure Limits	Not established.
Medical Conditions Generally Aggravated By Exposure	Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies
OSHA Regulatory Status	This material is classified as hazardous under OSHA regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components (Chemical Name)	CAS No.	Concentration
Aspartic acid, N,N'-(methylenedi-4,1 cyclohexanediyl)bis-, tetraethyl ester	136200-30-5	60-70%
Secondary Diamines	N/A	15-25%
(2-methoxymethylethoxy)-, acetate	88917-22-0	10-20%
Siloxanes and silicones, di-me, reaction products with silica	67762-90-7	1.0 - 5.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use first aid treatment according to the nature of the injury.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.
Skin	In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Eyes	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
Ingestion	Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.
Signs and Symptoms Of Exposure	Moderate irritation effect.

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5. FIRE FIGHTING MEASURES

Flash Point	> 200.00 C
Explosive Limits	LEL: NE UEL: NE
Autoignition Pt:	No data available.
Fire Fighting Instructions	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Flammable Properties and Hazards	Product is not considered a fire hazard. Closed containers may rupture (due to build up in pressure) when exposed to extreme heat.
Hazardous Combustion Products	In a fire, product may produce the following: Carbon monoxide, Carbon dioxide, and Amines.
Suitable Extinguishing Media	Dry chemical, CO2, water spray or regular foam.
Unsuitable Extinguishing Media	Do not use a direct water stream, which may spread fire.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.

Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.

Protective Precautions, Protective Equipment and Emergency Procedures

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, and boots are required.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.

7. STORAGE AND HANDLING

Hazard Label Information:

Avoid contact with skin and eyes. Do not get on skin and clothing. Avoid inhalation of vapor or mist. Store in a closed container.

Precautions To Be Taken in Handling

Provide adequate ventilation. Do not breathe vapor. Do not get in eyes, on skin or on clothing.

Precautions To Be Taken in Storing

Keep container tightly closed in a dry and well-ventilated place.

Other Precautions

Wash thoroughly after handling

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8. EXPOSURE CONTROLS / PERSONAL PROTECTIONS

Protective Equipment Summary - Hazard Label Information:

Neoprene gloves Safety glasses, or goggles. Impervious clothing. Chemical resistant boots

Respiratory Equipment (Specify Type)

Normally when good engineering controls are used, no respiratory protection is needed. However, if cured product is abraded by sanding or grinding use a NIOSH approved air-purifying respirator. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Eye Protection	Safety glasses, or goggles.
Protective Gloves	Nitrile rubber and Neoprene are recommended.
Other Protective Clothing	Where splashing is possible, full chemically resistant protective clothing, safety glasses or face shield and boots are required.
Engineering Controls (Ventilation etc.)	Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.
Work, Hygienic and Maintenance Practices	Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.
Environmental Exposure Controls	Avoid runoff into storm sewers and ditches which lead to waterways.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	LIQUID	Density	~ 8.9 LB/GL
Colour	TRANSPARENT	Vapor Pressure (vs. Air or mm Hg)	NE
Boiling Point	NE	Vapor Density (vs. Air = 1)	NE
Melting Point	NE	Solubility in Water	NP
Flash Point	> 200.00 C	Percent Volatile	< 5.0% BY WEIGHT
Evaporation rate	NE	VOC / Volume	NE
Specific Gravity (water = 1):	~ 1.067	HAP / Volume	NP
Explosive properties	LEL: NE UEL: NE	Saturated Vapor Concentration	NE

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions
Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose
Conditions to avoid	Will not undergo hazardous polymerization in normal storage conditions.
Incompatible materials	Oxidizing agents, Acids, Isocyanates
Hazardous Decomposition Or Byproducts	In a fire, product may produce the following: Carbon monoxide, Carbon dioxide, and Amines.

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11. TOXICOLOGICAL INFORMATION

Chronic Toxicological Effects No data available
Irritation or Corrosion Skin Irritation. Irritating to eyes.

Hazardous Components (Chemical Name)	CAS No.	Concentration	NTP	IARC	ACGIH	OSHA
Aspartic acid, N,N'-(methylenedi-4,1 cyclohexanediyl)bis-, tetraethyl ester	136200-30-5	60-70%	N/A	N/A	N/A	N/A
Secondary Diamines	N/A	15-25%	N/A	N/A	N/A	N/A
(2-methoxymethylethoxy)-, acetate	88917-22-0	10-20%	N/A	N/A	N/A	N/A
Siloxanes and silicones, di-me, reaction products with silica	67762-90-7	1.0 - 5.0 %	N/A	N/A	N/A	N/A

12. ECOLOGICAL INFORMATION

General Ecological Information Avoid release to the environment
Results of PBT and vPvB assessment No data available
Persistence and Degradability No data available
Bio accumulative Potential No data available
Mobility in Soil Mobility in Soil

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS FOR TRANSPORT

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN number	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
Packing Group	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable			
Additional information	None			

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture Poison schedule.

Inventory listings AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)
All components are listed on AIIC, or are exempt.

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Classifications A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Not listed
NTP (National Toxicology Program)	Not listed
IARC (International Agency for Research on Cancer)	Not listed

US Federal Regulations		US State Regulations	
Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Listed: 7429-90-5	Proposition 65 (California)	Not listed
National emission standards for hazardous air pollutants (40 CFR 61.01)	Not listed	Minnesota	Listed: 7429-90-5
SARA Title III Section 313	Not listed	New Jersey	Listed: 7429-90-5
TSCA (Toxic Substance Control Act)	Listed: 7429-90-5	Pennsylvania	Listed: 7429-90-5
CAA 602 - Ozone Depleting Substances (ODS)	Not listed	Rhode Island	Listed: 7429-90-5

16. OTHER INFORMATION

Abbreviations

- CAS : Chemical Abstracts Service
- LTEL : Long term exposure limit
- PBT : Persistent, Bioaccumulative and Toxic
- STEL : Short term exposure limit
- STOT : Specific Target Organ Toxicity
- vPvB : very Persistent and very Bioaccumulative

Additional Information The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof; however Epoxy Systems, Inc. makes no expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.