# Heegermaterials

## SAFETY DATA SHEET

Revision Date 29-Mar-2024

**Revision Number** 3

1. Identification				
Product Name	Aluminum nitride			
CAS No	24304-00-5			
Synonyms	No information available			
Recommended Use	Laboratory chemicals.			
Uses advised against	Food, drug, pesticide or biocidal product use.			

#### Details of the supplier of the safety data sheet

Company Heeger Materials Inc. 230 Steele St Denver CO 80206 United States Tel: 925-385-8104

#### **Emergency Telephone Number**

er Mati For information US call: 001-800-227-6701 / Europe call: +32 14 57 52 11 Emergency Number US:001-201-796-7100 / Europe: +32 14 57 52 99 CHEMTREC Tel. No. US:001-800-424-9300 / Europe:001-703-527-3887

## 2. Hazard(s) identification

#### Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements None required

Hazards not otherwise classified (HNOC) None identified

## 3. Composition/Information on Ingredients

Component		CAS No	Weight %					
Aluminum nitride (AIN)		24304-00-5	98					
	4. First-aid	measures						
Eye Contact	Rinse immediately with ple	nty of water, also under th	ne eyelids, for at least 15 minutes.					
kin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.								
halation Remove from exposure, lie down. Remove to fresh air.								
ngestion	Do NOT induce vomiting. In plenty of water. If possible		buth to an unconscious person. Drink					
lost important symptoms and ffects	No information available.							
lotes to Physician	Treat symptomatically							
	5. Fire-fightir	ng measures						
Suitable Extinguishing Media	Use extinguishing measure surrounding environment.	es that are appropriate to	local circumstances and the					
Insuitable Extinguishing Media	No information available							
Flash Point Method -	No information available No information available							
Autoignition Temperature Explosion Limits	No information available	ignition.						
Upper Lower	No data available No data available	121						
Sensitivity to Mechanical Impact	No information available No information available	415	7.					
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Specific Hazards Arising from the C Keep product and empty container awa	h <b>emical</b> ay from heat and sources of	ignition.						
<b>Hazardous Combustion Products</b> Thermal decomposition can lead to rele <b>Protective Equipment and Precautio</b> As in any fire, wear self-contained brea protective gear. Thermal decomposition	ns for Firefighters thing apparatus pressure-d	emand, MSHA/NIOSH (a	pproved or equivalent) and full					
IFPA Health	Flammability	Instability	Physical hazards					
0	0	0	N/A					
	6. Accidental re							
Personal Precautions Environmental Precautions	Ensure adequate ventilation See Section 12 for addition							

	7. Handling and storage			
Handling	Avoid contact with skin and eyes. Avoid contact with skin and clothing. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Avoid breathing vapors or mists. Do not ingest. If swallowed then seek immediate medical assistance. Wash thoroughly after handling.			
Storage.	Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Incompatible Materials. Strong oxidizing agents. Strong acids.			
8. E>	<pre>cposure controls / personal protection</pre>			
Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limitsestablished by the region specific regulatory bodies.			
Engineering Measures	None under normal use conditions.			
Personal Protective Equipment				
Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by   OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standa EN166.				
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.			
Respiratory Protection	No protective equipment is needed under normal use conditions.			
Recommended Filter type: Particle filter.				
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.			
9	. Physical and chemical properties			
Physical State	Powder Solid			
Appearance	Beige			
Odor	Odorless			
Odor Threshold	No information available			
pH Malking Daint/Dan as	No information available			
Melting Point/Range Boiling Point/Range	No data available			
Flash Point	No information available			
Evaporation Rate	Not applicable			
Flammability (solid,gas)	No information available			
Flammability or explosive limits				
Upper	No data available			
Lower	No data available			
Vapor Pressure Vapor Density	No information available Not applicable			
Specific Gravity	3.260			
Solubility	No information available			
Partition coefficient; n-octanol/wate				
Autoignition Temperature	No information available			
Decomposition Temperature	No information available			
Viscosity Molecular Formula	Not applicable Al N			
Molecular Weight	40.98			
	10. Stability and reactivity			

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Reactive Hazard									
Stability		Stable under normal conditions. Moisture sensitive.							
Conditions to Avoid		Incompatible products. Exposure to moist air or water.							
Incompatible Materi	Incompatible Materials Strong oxidizing agents, Strong acids								
Hazardous Decomp	osition Products	<b>s</b> Thermal decomposition can lead	to release of irritating	gases and vapors					
Hazardous Polymerization No information available.									
Hazardous Reaction	IS	None under normal processing.							
		11. Toxicological i	nformation						
Acute Toxicity									
Product Information		No acute toxicity information is a	vailable for this produ	ct					
Component Informa Toxicologically Syne		No information available							
Products Delayed and immed	iate effects as w	vell as chronic effects from shor	t and long-term exp	osure					
Irritation	0	No information available							
Sensitization	CO	No information available							
Carcinogenicity	0	The table below indicates whether	er each agency has lis	sted any ingredient	as a carcinogen.				
Component	CAS No	IARC NTP	ACGIH	OSHA	Mexico				
Aluminum nitride (AIN) Mutagenic Effects	24304-00-5	Not listed Not listed Not listed	Not listed	Not listed	Not listed				
-	•	No information available.	$h_{121}$						
Reproductive Effect									
Developmental Effe	cts	No information available.							
Teratogenicity		No information available.							
STOT - single expos STOT - repeated exp			•						
Aspiration hazard		No information available							
Symptoms / effects delayed	Symptoms / effects,both acute and No information available delayed								
Endocrine Disruptor	r Information	No information available							
Other Adverse Effect	sts	The toxicological properties have	not been fully investi	gated.					
		12. Ecological inf	ormation						
Ecotoxicity									

<u>Ecotoxicity</u> Do not empty into drains.

Persistence and Degradability	Soluble in water Persistence is unlikely based on information available.
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Bioaccumulation / Accumulation No information available.

MobilityWill likely be mobile in the environment due to its water solubility.					
	13. Disposal considerations				
Waste Disposal Methods   Chemical waste generators must determine whether a discarded chemical is hazardous waste. Chemical waste generators must also consult local, region national hazardous waste regulations to ensure complete and accurate class					
	14. Transport information				
DOT	Not regulated				
DOTTDG	Not regulated				
ΙΑΤΑ	Not regulated				
IMDG/IMO	Not regulated				

### 15. Regulatory information

#### United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive	TSCA - EPA Regulatory Flags
Aluminum nitride (AIN)	24304-00-5	Х	ACTIVE	-

#### Legend:

Toxic Substances Control Act, (40 CFR Part 710) TSCA US EPA (TSCA) X - Listed '-' - Not Listed

#### TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)

Not applicable

TSCA 12(b) - Notices of Export

Not applicable

#### International Inventories

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL). 

Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Aluminum nitride (AIN)	24304-00-5	Х	-	246-140-8	Х	ХЧ	X	Х	Х	KE-01008
KECL - NIER number or KE number (http://ncis.nier.go.kr/en/main.do)								C		

#### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
<b>OSHA</b> - Occupational Safety and Health Administration	Not applicable

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65	This product does not contain any Proposition 65 chemicals.
U.S. State Right-to-Know Regulations	Not applicable
<b>U.S. Department of Transportation</b> Reportable Quantity (RQ): DOT Marine Pollutant DOT Severe Marine Pollutant	N N N
U.S. Department of Homeland Security	This product does not contain any DHS chemicals.
Other International Regulations	
Mexico - Grade	No information available

## Authorisation/Restrictions according to EU REACH

Not applicable

Component	CASNo	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	J J	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)					
Aluminum nitride (AIN)	24304-00-5		-	-					

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Aluminum nitride (AIN)	24304-00-5	Not applicable	Not applicable	Not applicable	Not applicable

#### Contains component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS)? Not applicable

#### Other International Regulations

Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	(2012/18/EC) -	Convention (PIC)	Basel Convention (Hazardous Waste)
Aluminum nitride (AIN)	24304-00-5	Not applicable	Not applicable	Not applicable	Not applicable

	16. Other information				
Revision Date Print Date	29-Mar-2024 29-Mar-2024				

#### **Revision Summary**

New emergency telephone response service provider.

#### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

## **End of SDS**

Heeger Materials Inc.