



MATERIAL SAFETY DATA SHEET

PUR 95A

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Substance Preparation and Company Identification

Freelin-Wade Company
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Emergency Phone
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SECTION I - Chemical Product Identification

Product Name

95A Durometer Polyurethane

Product Code

PUR95A

Chemical Family

Polyurethane

Synonyms

Thermoplastic Polyurethane Elastomer

SECTION II - Composition / Information on Ingredients

CAS Number	Content (W/W)	Chemical Name
	100.0%	Thermoplastic Urethane

SECTION III - Hazard Identification

Emergency Overview

CAUTION! Under hot melt processing conditions, wear personal protective equipment to prevent thermal burns. Use with local exhaust ventilation.

Potential Health Effects

Primary Routes of Exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity

Inhalation of particulates may cause respiratory tract irritation. Ingestion may cause gastrointestinal disturbances.

Irritation

Irritating to eyes and skin.

Repeated dose toxicity

No known chronic effects.

Medical Conditions Aggravated by Over Exposure:

Data available does not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance / product.

SECTION IV - First Aid Measures

General Advice

Remove contaminated clothing.

If Inhaled

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. Immediate medical attention required.

If on Skin

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention. Skin contact with hot molten substance / product may cause thermal burns.

If in Eyes

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

SECTION V - Fire Fighting Measures

Flash Point

>300°C

Auto Ignition

No data available

Suitable Extinguishing Media

Water; dry extinguishing media; carbon dioxide; foam

Hazards During Fire Fighting

No particular hazards known.

Protective Equipment for Fire Fighting

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further Information

In case of fire and / or explosion, do not breathe fumes.

SECTION VI - Accidental Release Measures

Cleanup

Spills should be contained and placed in suitable containers for disposal.

SECTION VII - Handling and Storage

Handling

Protection against fire and explosion: No explosion proofing necessary.

Storage

Avoid extreme heat. Avoid deposition of dust.

Storage Stability

Protect against moisture.

SECTION VIII – Exposure Controls / Personal Protection

Advice on System Design

Provide local exhaust ventilation to control dust.

Personal Protective Equipment

Respiratory Protection

Wear a NIOSH certified (or equivalent) organic vapor / particulate respirator as needed.

Hand Protection

Wear gloves to prevent contact during mechanical processing and /or hot melt conditions.

Eye Protection

Wear splash goggles to protect from hot molten substance / product.

General Safety and Hygiene Measures

Wear protective clothing to prevent contact during mechanical processing and / or hot melt conditions. Avoid inhalation of dust.

SECTION IX - Physical and Chemical Properties

Form:	Pellets
Odor:	Odorless
Color:	Translucent
pH:	No data available
Melting Point:	150 - 230°C
Relative Density:	1.12 – 1.20
Solubility in Water:	Insoluble

SECTION X - Stability and Reactivity

Conditions to Avoid

No conditions known that should be avoided.

Substances to Avoid

No substances known that should be avoided.

Decomposition Products

Carbon monoxide; carbon dioxide; hydrogen cyanide.

Corrosion to Metals

No corrosive effect on metal.

SECTION XI - Toxicological Information

No information available.

SECTION XII - Ecological Information

No Information Available

SECTION XIII - Disposal Considerations

Waste Disposal of Substance

Incinerate in a licensed facility.

Do not discharge substance / product into sewer system.

Dispose of in a licensed facility.

Container Disposal

Dispose of in accordance with national, state and local regulations.

SECTION XIV - Transportation Information

Reference Bill of Lading

SECTION XV - Regulatory Information

Federal Regulations**Registration Status:****TSCA, US**Released / listed**OSHA Hazard Category**.....No data available**SARA Hazard Categories (EPCRA 311/312)** Not hazardous

Section XVI - Other Information

HMIS III RATINGHealth
1Flammability
0Reactivity
0

0=Minimal 1=Slight

2=Moderate

3=Serious

4=Severe

*=Chronic Health Hazard

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicate high hazard.

Approval Date

2/2009

Supersedes Date

N/A

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