



## Vizion 2 lb/ft<sup>3</sup> SEV

Effective Date: 11/12/2018

PHYSICAL PROPERTIES		ASTM METHOD	IMPERIAL UNITS	VALUES	METRIC UNITS	VALUES
Density - Nominal		D3575 - Suffix W	lb/ft <sup>3</sup>	2	kg/m <sup>3</sup>	32
Tensile Strength		D3575 - Suffix T	PSI	47.4	kPa	327
Tear strength		D3575 - Suffix G	lbf/in	11.4	N/mm	2.00
Elongation at Break		D3575 - Suffix T	%	316	%	316
Shore Hardness		ASTM D2240	00	48	00	48
Compression Deflection	25%	D3575 - Suffix D	PSI	6.5	kPa	45
	50%		PSI	14.6		101
Compression Set	50%, 24 hr	D3575 - Suffix B	%	22	%	22
Working Temperature Range		-	°F	-76 / 176	°C	-60 / 80
Water Absorption		D3575 - Suffix L	lb/ft <sup>2</sup>	0.012	kg/m <sup>2</sup>	0.059
Flammability, >1/4"		FMVSS302	4"/min	PASS	100mm/min	PASS
Thermal Stability, 24hrs at 158°F (70°C)		D3575 - Suffix S	%	2	%	2

Vizion is a closed cell chemically crosslinked polyethylene foam in bun form.  
SDS sheets available upon request.

Data represents typical values and should be considered as a guideline only.

Imperial data is converted from the metric results measured by testing according to ASTM standards.

The information above on Vizion chemically crosslinked polyethylene foam is presented to the best of our knowledge.



## **Marketing Bulletin – 01 - Toxicity data**

Palziv corporation products do not contain any CFC/HCFC/HFC, or other hydrocarbons.

Palziv's standard and EVA products conform to EN 71-3 & 2009/48/EC toxicity requirements

No Azo dyes are employed in the production of Palziv foams..

### **ANSI/AAMI/ISO 10993-5**

One of the methods to determine biocompatibility is to study the cytotoxic effect of the extracts on well-established cell line.

The following Palziv North America Vizion (Block) and Fuzion (Roll) Chemically Cross Linked Foam Products passed the above ttest.

Test Article Identification:

- Vizion 2.0 pcf SEV (Soft EVA Blend) Natural
- Fuzion 2.0 pcf STD (Standard LDPE Blend) Natural

Detailed test results are available upon request



# Safety Data Sheet

## 1. IDENTIFICATION

<b>Product Identifier:</b>	Vizion – EVA grades – all densities
<b>Manufacturer:</b>	Palziv North America
<b>Address:</b>	7966 NC 56 Hwy Louisburg, NC 27549
<b>Phone Number:</b>	919-497-0010
<b>Emergency Phone Number:</b>	919-497-0010
<b>Recommended Use:</b>	For industrial and personal uses.
<b>Restrictions on Use:</b>	None.

## 2. HAZARD IDENTIFICATION

<b>Hazard classification:</b>
This product is not considered hazardous.

## 3. COMPOSITION/INGREDIENT DATA

<b>Substance (Abbreviation)</b>	<b>Substance (Chemical Name)</b>	<b>Cas#</b>	<b>PHR</b>
LDPE	Polyethylene	9002-88-4	30-80
EVA	Ethylene Vinyl Acetate	24937-78-8	20-70
ZnO	Zinc Oxide	1314-13-2	<2
ZnSt	Zinc Stearate	557-05-1	<1
DCP	Residuals of Dicumyl Peroxide Decomposition	80-43-3	<1
ADCA	Residuals of Azodicarbonamide Decomposition	123-77-3	< 20
MB	Organic Pigment		< 3
CB	Carbon Black	133-86-4	< 10

## 4. FIRST AID MEASURES

<b>Ingestion:</b>	If material has been ingested, seek medical advice.
<b>Skin Contact:</b>	There is no risk and no need to work with gloves.
<b>Eye Contact:</b>	Rinse eyes with water. In case of an uncomfortable sensation, consult a doctor or ophthalmologist.

## 5. FIRE FIGHTING MEASURES



**Suitable extinguishing media: CO<sub>2</sub>, H<sub>2</sub>O, Foam, Dry Chemical Powder**

During a fire it is advisable to cool the material with water. Material that was not ignited should, if possible, be removed from the vicinity of the fire to a safe area. Care must be taken not to stand underneath burning material, dripping of burning molten material may occur.

Smoke may contain toxic substances; it is therefore advisable to wear a mask.

Even after the flames have been extinguished, the material should be cooled with water, in order to prevent a renewed outbreak of the fire due to self-ignition.

**6. ACCIDENT RELIEF MEASURES**

<b>Protective Equipment:</b>	When cleaning fragments with air pressure, a protective mask should be worn over the nose and mouth and protective goggles should be worn over the eyes.
<b>Environmental Precautions:</b>	None necessary.
<b>Methods for Cleaning Up:</b>	Can be cleaned by any acceptable method: Dust and fragments may be vacuumed, swept or blown away by use of air pressure.

**7. HANDLING AND STORAGE**

<b>Handling:</b>	No restrictions.
<b>Storage:</b>	It is advisable to store in a ventilated warehouse on pallets raised off the ground.
	The material must not be stored outside, particularly in the rain or in the sun. Shrink wrap is not advisable.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Engineering measures to reduce exposure:</b>	If dust or vapor condition is above the recommended level, use local extraction apparatus (likely only in the case of a fire).
<b>Personal Protection Equipment:</b>	
<b>Respiratory Protection:</b>	When cleaning fragments with air pressure, a protective mask should be worn over the nose and mouth.
<b>Hand Protection:</b>	There is no need for gloves.
<b>Eye Protection:</b>	Protective goggles should be used when cleaning fragments with air pressure.
<b>Skin and Body</b>	There is no need for any protective measures.



**Protection:**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>State:</b> Foam PE	<b>Color:</b> Various	<b>Odor:</b> None
<b>Density:</b> 25-200kg/m <sup>3</sup>	<b>Melting Point:</b> N/A	<b>Decomposition Temp:</b> 400°C
<b>Boiling Point:</b> N/A	<b>Vapor Pressure:</b> N/A	<b>Auto Ignition Temp:</b> N/A
<b>Flashpoint:</b> N/A	<b>Explosion Risk:</b> N/A	<b>Water Solubility:</b> None

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	(x) Stable	( ) Unstable
<b>Conditions to Avoid:</b>	Temperatures over 150°C.	
<b>Hazardous Decomposition Products:</b>	Including but not limited to: Hydrocarbons, CO, Trace Ammonia	
<b>Hazardous Polymerization:</b>	( ) may occur	(x) will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>Skin:</b>	No toxicity.
<b>Eye:</b>	Dust may cause irritation.
<b>Ingestion:</b>	Uncomfortable if ingested.
<b>Inhalation:</b>	A high concentration of dust and fragments may cause nausea.
<b>Chronic Toxicity:</b>	No toxicity.

## 12. ECOLOGICAL INFORMATION

<b>Details for elimination:</b>	The waste can be buried at an appropriate site or burned in a furnace The foam can also be ground down for the production of recycled foams.
<b>Performance in Ecological Sub System:</b>	
<b>Ecotoxicity:</b>	None.

## 13. DISPOSAL CONSIDERATIONS

Waste from residues/unused: Contaminated Packaging:	Dispose of in accordance with local regulations.
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## 14. TRANSPORTATION INFORMATION

<b>ADR/RID-HI/UN No.:</b> Not classified	<b>Class:</b>
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<b>Proper shipping name:</b>		
<b>IMDG-UN No.:</b> None	<b>Marine Pollutant:</b> No	<b>Class:</b>
<b>Proper shipping name:</b>		
<b>MFAG:</b>	<b>MDG Page:</b>	<b>EMS:</b>
<b>ICAO:</b>	<b>UNI/ID No.:</b>	<b>Class:</b>
<b>Proper shipping name:</b>		

## 15. REGULATION INFORMATION

Classification according to European directive on classification of hazardous preparations 1272/2008/CE
<b>Symbols:</b>
<b>R-phrases:</b>
<b>S-phrases:</b>

## 16. OTHER INFORMATION

<b>Date of Last Revision:</b>	12/16/2015
<b>Telephone:</b>	919-497-0010
<b>Fax:</b>	919-496-2523
<b>Website:</b>	<a href="http://www.palzivna.com">www.palzivna.com</a>