



## 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<br>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<br/>(Abbreviation)</b> | <b>Substance<br/>(Chemical Name)</b> | <b>Cas#</b> | <b>PHR</b> |
|-------------------------------------|--------------------------------------|-------------|------------|
| LDPE                                | Polyethylene                         | 9002-88-4   | 30-80      |
| EVA                                 | Ethylene Vinyl<br>Acetate            | 24937-78-8  | 20-70      |
| ZnO                                 | Zinc Oxide                           | 1314-13-2   | <2         |
| ZnSt                                | Zinc Stearate                        | 557-05-1    | <1         |
| DCP                                 | Residuals of Dicumyl<br>Peroxide     | 80-43-3     | <1         |
| ADCA                                | Residuals of<br>Azodicarbonamide     | 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

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| <b>Suitable extinguishing media:</b> 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 Protection:</b>   | There is no need for any protective measures.  |



**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>                        | <input checked="" type="checkbox"/> Stable <input type="checkbox"/> 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>         | <input type="checkbox"/> may occur <input checked="" type="checkbox"/> 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: | Dispose of in accordance with local regulations. |
| Contaminated Packaging:     |  |

**14. TRANSPORTATION INFORMATION**

|  |   |
|--|---|
| <b>ADR/RID-HI/UN No.:</b> Not classified | <b>Class:</b>                             |
| <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>MDG Page:</b>   | <b>EMS:</b>   |
| <b>MFAG:</b>                 | <b>UNI/ID No.:</b> | <b>Class:</b> |
| <b>ICAO:</b>                 |                    |               |
| <b>Proper shipping name:</b> |                    |               |

**15. REGULATION INFORMATION**

|   |
|---|
| Classification according to European directive on classification of hazardous preparations 88/379/EEC |
| <b>Symbols:</b>   |
| <b>R-phrases:</b>   |
| <b>S-phrases:</b>   |

**16. OTHER INFORMATION**

|                               |  |
|-------------------------------|--|
| <b>Date of Last Revision:</b> | 6/1/2015   |
| <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> |



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

32 kg/m<sup>3</sup>

Effective Date: 5/6/2014

| 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                           | 53.9        | kPa               | 372      |         |
| Tear strength                            | D3575 - Suffix G | lb/in                         | 12.9        | N/mm              | 2.25     |         |
| Elongation at Break                      | D3575 - Suffix T | %                             | 345         | %                 | 345      |         |
| Shore Hardness                           | ASTM D2240       | 00                            | 48          | 00                | 48       |         |
| Compression Deflection                   | D3575 - Suffix D | 25%                           | PSI         | 6.8               | kPa      | 47      |
|  |                  | 50%                           | PSI         | 15.4              |          | 106     |
| Compression Set                          | D3575 - Suffix B | % (max)                       | 25%, 1/2 hr | Pending           | % (max)  | Pending |
|  |                  |                               | 25%, 24 hr  | Pending           |          | Pending |
|  |                  |                               | 50%, 1/2 hr | 40                |          | 40      |
|  |                  |                               | 50%, 24 hr  | 13                |          | 13      |
| Working Temperature Range                | Internal         | °F                            | -76 / 194   | °C                | -60 / 90 |         |
| Water Absorption, 7 days                 | Internal         | % Vol (max)                   | 1           | % Vol (max)       | 1        |         |
| Thermal Conductivity, 176°F (80°C)       | ASTM C177        | BTU-in/hr-ft <sup>2</sup> -°F | Pending     | W/m-K             | Pending  |         |
| Flammability, >1/4"                      | FMVSS302         | 4"/min                        | PASS        | 100mm/min         | PASS     |         |
| Thermal Stability, 24hrs at 158°F (70°C) | D3575 - Suffix E | %                             | 2           | %                 | 2        |         |

Vizion is a closed cell chemically crosslinked polyethylene foam in bun form.  
MSDS 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.

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