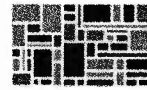


HITEC® HDPE



**VYCOM**  
OLEFIN AND PVC SOLUTIONS

## MATERIAL SAFETY DATA SHEET

Product Designation: Hitec HDPE (High Density Polyethylene)

### Section 1

|                     |                              |       |                |
|---------------------|------------------------------|-------|----------------|
| Manufacturer's Name | <b>Vycom</b>                 | Phone | 1.800.235.8320 |
| Address             | <b>801 Corey Street</b>      | FAX   | 1.800.858.9266 |
| City, State, Zip    | <b>Scranton, PA 18505</b>    |       |                |
| Website             | <b>www.vycomplastics.com</b> |       |                |

### Section 2 - Hazardous Ingredients/Identity

This product has not been evaluated as a whole. However, some fumes may be released upon heating and the user must take the necessary precautions (ventilation, personal protective equipment, etc.) to protect employees from exposure (see Section 7 - Special Precautions)

| Hazardous Component(s)<br><u>chemical/common names</u> | OSHA<br><u>PEL</u> | ACGIH<br><u>PEL</u> | Other Exp.<br><u>Limits</u> | %   | CAS<br><u>Number</u> |
|--|--------------------|---------------------|-----------------------------|-----|----------------------|
| Polyethylene Plastics                                  | N/L                | N/L                 | N/L                         | 100 | 9002-88-4            |

**This material is NOT HAZARDOUS by OSHA Communication definition.**

### Section 3 - Physical and Chemical Characteristics

|                                  |   |  |                        |                           |    |
|----------------------------------|---|--|------------------------|---------------------------|----|
| Boiling Point                    | NA  | Specific Gravity<br>(H <sub>2</sub> O = 1) | <b>~.95</b>            | Vapor Pressure<br>(mm Hg) | NA |
| Percent Volatility<br>Volume (%) | NA  | Vapor Density<br>(Air = 1)                 | <b>Solid</b>           | Evaporation Rate          | NA |
| Solubility<br>in Water           | <b>Insoluble</b>  |  | Reactivity<br>in Water | <b>None Known</b>         |    |
| Appearance and Odor              | <b>White/Translucent plastic pellets; faint aromatic odor</b> |  |                        |                           |    |
| Melting Point                    | <b>220-280°F (104-138°C)</b>                                  |  |                        |                           |    |

This Material Safety Data Sheet and the information it contains are offered to you in good faith as accurate. We believe the information it contains to be correct but cannot guarantee its accuracy or completeness. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

## Section 4 - Fire and Explosion Data

|                                       |   |  |   |             |
|---------------------------------------|---|--|---|-------------|
| Flash Point                           | <b>&gt;650f</b><br>ASTM E136  | Flammable Limits<br>in Air % by Volume | Lower<br>NA   | Upper<br>NA |
| Auto-Ignition<br>Temperature          | >650 F  | Extinguisher Media                     | <b>Dry chemical preferred, water fog, foam, CO2</b> |             |
| Special Fire<br>Fighting Procedures   | <b>A fine spray of fog or water will reduce intensity of flame. Keep exposed product cool to prevent melting or dripping. Do not use a solid stream of water, this could spread fire. Self-contained breathing apparatus should be worn to prevent inhalation of smoke and decomposition products</b> |  |   |             |
| Unusual Fire and<br>Explosion Hazards | <b>None Known</b>   |  |   |             |

## Section 5 - Physical Hazards

|   |   |   |                        |    |
|---|---|---|------------------------|----|
| Stability                               | Unstable<br>Stable  | <input type="checkbox"/><br><input checked="" type="checkbox"/> | Conditions<br>to Avoid | NA |
| Incompatibility<br>(Materials to Avoid) | <b>None Known</b>   |   |                        |    |
| Hazardous<br>Decomposition Products     | <b>Oxides of carbon, water vapor, trace low molecular weight hydrocarbons</b> |   |                        |    |
| Hazardous<br>Polymerization             | May Occur<br>Will Not Occur   | <input type="checkbox"/><br><input checked="" type="checkbox"/> | Conditions<br>to Avoid | NA |

## Section 6 - Health Hazards

|   |                                   |  |                         |  |   |
|---|-----------------------------------|--|-------------------------|--|---|
| Signs and Symptoms<br>of Exposure                           | Acute<br>Overexposure             | <b>None Known</b>  | Chronic<br>Overexposure | <b>None Known</b>  |   |
| Medical Conditions Generally<br>Aggravated by Exposure      | <b>None Known</b>                 |  |                         |  |   |
| Chemical Listed as<br>Carcinogen or Potential<br>Carcinogen | National<br>Toxicology<br>Program | Yes <input type="checkbox"/><br>No <input checked="" type="checkbox"/> | IARC<br>Monographs      | Yes <input type="checkbox"/><br>No <input checked="" type="checkbox"/> | OSHA Yes <input type="checkbox"/><br>No <input checked="" type="checkbox"/> |

|  |
|--|
| Section 6 - Health Hazards (continued) |
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## Emergency and First Aid Procedures

1. Inhalation - **Remove person to fresh air and consult physician if respiratory irritation occurs**
2. Eyes - **Flush with water and consult physician**
3. Skin - **Treat contact with molten product as for ordinary burn**
4. Ingestion - **Consult physician**

|   |
|---|
| Section 7 - Special Precautions and Spill/Leak Procedures |
|---|

|  |   |
|--|---|
| Precautions to be Taken<br>in Handling and Storage | <b>Do not store near flame or heat source</b> |
|--|---|

|                   |  |
|-------------------|--|
| Other Precautions | <b>Fumes may be released upon heating. Mechanical ventilation and/or an approved respiratory protection program may be required.</b> |
|-------------------|--|

|  |   |
|--|---|
| Steps to be Taken in Case<br>Material is Released or Spilled | <b>Sweep, shovel, or vacuum material into clean containers.</b> |
|--|---|

|                        |   |
|------------------------|---|
| Waste Disposal Methods | <b>Dispose of in accordance with all local, State, and Federal regulations.</b> |
|------------------------|---|

|   |
|---|
| Section 8 - Special Protection Information/Control Measures |
|---|

|  |                                |
|--|--------------------------------|
| Respiratory Protection<br>(Specify Type) | <b>Not ordinarily required</b> |
|--|--------------------------------|

|             |               |     |                         |     |         |       |
|-------------|---------------|-----|-------------------------|-----|---------|-------|
| Ventilation | Local Exhaust | [x] | Mechanical<br>(General) | [x] | Special | Other |
|-------------|---------------|-----|-------------------------|-----|---------|-------|

|                      |                                |                   |                       |
|----------------------|--------------------------------|-------------------|-----------------------|
| Protective<br>Gloves | <b>Not ordinarily required</b> | Eye<br>Protection | <b>Safety Glasses</b> |
|----------------------|--------------------------------|-------------------|-----------------------|

|                                     |   |
|-------------------------------------|---|
| Protective<br>Clothing or Equipment | <b>Protective clothing should be worn to prevent burns from molten product if exposure is likely.</b> |
|-------------------------------------|---|

|                         |  |
|-------------------------|--|
| Work/Hygienic Practices | <b>No special practices ordinarily required.</b> |
|-------------------------|--|