

### SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

**Product Information**

**Product Name:** Norst® PB 4015  
**Product Use:** Intermediate - Adhesive  
**Uses Advised Against:** None

**Manufacturer**

NorthStar Elastomers, LLC  
 4500 Main St NE  
 Fridley, MN 55421

**Information Phone:** 952-270-4767

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CHEMTREC North America 800-424-9300

### SECTION 2 - HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

No need for classification according to GHS criteria for this product.

**Label Elements**

The product does not require a hazard warning label in accordance with GHS criteria.

**Other Hazards:**

No specific dangers known, if the regulations/notes for storage and handling are considered.  
 May cause eye, skin and respiratory tract irritation. Ingestion may cause gastric disturbances.  
 Ensure adequate ventilation. Wear protective clothing.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

**Mixture**

| Chemical Name                  | CAS#      | EINECS#     | EU Classification (67/548/EEC) | CLP Annex VI Classification | %           |
|--------------------------------|-----------|-------------|--------------------------------|-----------------------------|-------------|
| Polyisobutylene Polymer Solids | 9003-27-4 | Proprietary | No EU Classification           | No GHS Classification       | Proprietary |
| Polybutene Solids              | 9003-29-6 | Proprietary | or R phrase                    | No GHS Classification       | Proprietary |

**Non-Hazardous Statement:** The remaining components of this product are non-hazardous or are in a small enough quantity as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

### SECTION 4 - FIRST AID MEASURES

**First Aid Measures**

**Eye Contact:** Immediately flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. Get medical attention if irritation or exposure symptoms develop.

**Skin Contact:** Wash contact area with soap and water.

If irritation occurs, get medical attention.

**Inhalation:** Remove victim to fresh air and keep person calm. Give artificial respiration if needed. If difficulty breathing, have oxygen administered by qualified party. If symptoms persist, get medical attention.

**Ingestion:** Aspiration hazard: DO NOT induce vomiting. Keep respiratory tract clear. If conscious, rinse mouth with water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

**Most Important symptoms and effects, acute and delayed**

May cause eye and respiratory tract irritation. May cause moderate skin irritation.

Aspiration hazard: material may enter the lungs if swallowed and cause lung injury.

May cause gastric disturbance. Ensure adequate ventilation. Wear protective clothing.

**Indication for immediate medical care and/or special treatment**

Immediate medical care is required if swallowed.

## SECTION 5 - FIRE FIGHTING MEASURES

|                                |   |
|--------------------------------|---|
| <b>Extinguishing Media</b>     | Carbon dioxide (CO <sub>2</sub> ), foam, dry chemical powder, water spray.      |
| <b>Unsuitable Media:</b>       | High volume water jet.  |
| <b>Special Hazards</b>         |   |
| <b>Fire/Explosion Hazards:</b> | Harmful vapors/fumes/fog can be released as result of fire.                     |
| <b>Combustion Byproducts:</b>  | Oxides of carbon and unknown metals.  |
| <b>Advice for Firefighters</b> | Wear approved, self-contained breathing apparatus and full protective clothing. |

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

|  |   |
|--|---|
| <b>Personnel Precautions, Protective Equipment, Emergency Procedures</b> | Use personal protective clothing and equipment to prevent eye and skin contact.   |
| <b>Environmental Precautions</b>   | Prevent material from entering drains. Report spills to appropriate authorities.<br>Contain spills and contaminated water/firefighting water.<br>Material is solid at room temperature.   |
| <b>Methods for Cleanup</b>   | Solid spills are collected with shovels or other means and placed in drums.<br>Liquid spills are allowed to solidify before collecting as a solid.<br>Dispose of in accordance with Local, State, Federal and Provincial regulations. |

## SECTION 7 - HANDLING AND STORAGE

|                                  |  |
|----------------------------------|--|
| <b>Safe Handling Precautions</b> | No special measures necessary provided product is used correctly.<br>Keep product away from heat, sparks, flames and all other sources of ignition.<br>Keep containers closed when not in use. |
| <b>Safe Storage</b>              | Store in unopened containers in a cool, dry area. Protect against moisture.  |

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

| <b>Control Parameters</b>            | <table border="1"><thead><tr><th>Chemical Name</th><th>Exposure Limits</th></tr></thead><tbody><tr><td>Polyisobutylene (PIB) Polymer Solids</td><td>None established</td></tr><tr><td>Polybutene (PB) Solids</td><td>None established</td></tr></tbody></table> | Chemical Name | Exposure Limits | Polyisobutylene (PIB) Polymer Solids | None established | Polybutene (PB) Solids | None established |
|--------------------------------------|---|---------------|-----------------|--------------------------------------|------------------|------------------------|------------------|
| Chemical Name                        | Exposure Limits   |               |                 |                                      |                  |                        |                  |
| Polyisobutylene (PIB) Polymer Solids | None established  |               |                 |                                      |                  |                        |                  |
| Polybutene (PB) Solids               | None established  |               |                 |                                      |                  |                        |                  |
| <b>Ventilation</b>                   | Provide local exhaust ventilation to control vapours/mists.   |               |                 |                                      |                  |                        |                  |
| <b>Personal Protective Equipment</b> |   |               |                 |                                      |                  |                        |                  |
| <b>Eye Protection:</b>               | Wear safety glasses with side-shields or goggles.   |               |                 |                                      |                  |                        |                  |
| <b>Skin Protection:</b>              | Body protection must be chosen based on level of activity and exposure.<br>Impervious gloves such as nitrile rubber or viton are recommended to prevent skin contact.   |               |                 |                                      |                  |                        |                  |
| <b>Respiratory Protection:</b>       | Wear NIOSH approved respirator, if ventilation is inadequate. For higher exposures, supplied air respirator may be required. Follow applicable regulations.   |               |                 |                                      |                  |                        |                  |
| <b>Hygiene Measures:</b>             | Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately  |               |                 |                                      |                  |                        |                  |

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic Physical and Chemical Properties

|                                      |                      |   |   |
|--------------------------------------|----------------------|---|---|
| <b>Appearance:</b>                   | White-cream          | <b>Vapor Density:</b>                       | Not applicable  |
| <b>Odor:</b>                         | Odorless             | <b>Specific Gravity:</b>                    | .88-.93   |
| <b>Odor Threshold:</b>               | Not applicable       | <b>Solubility:</b>                          | Soluble in hydrocarbon solvents<br>Insoluble in water |
| <b>pH:</b>                           | No data available    | <b>Octanol/Water Partition Coefficient:</b> | No data available                                     |
| <b>Melting Point/Freezing Point:</b> | 67°C (150°F) typical | <b>Autoignition Temp:</b>                   | >232°C (450°F)  |
| <b>Initial Boiling Point/Range:</b>  | >232°C (450°F)       | <b>Decomposition Temp:</b>                  | No data available                                     |
| <b>Flash Point:</b>                  | >200°C (392°F)       | <b>Viscosity:</b>                           | No data available                                     |
| <b>Evaporation Rate:</b>             | Not applicable       | <b>Explosive Properties:</b>                | Not explosive   |
| <b>Flammable Limits:</b>             | No data available    | <b>Oxidizing Properties:</b>                | Not an oxidizer                                       |
| <b>Flammability (solid, gas):</b>    | No data available    | <b>Relative Density:</b>                    | No data available                                     |
| <b>Vapor Pressure:</b>               | Not applicable       |   |   |
| <b>Molecular Formula:</b>            | Proprietary          |   |   |
| <b>Molecular Weight:</b>             | No data available    |   |   |

## SECTION 10 - STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Reactivity</b>                       | No hazardous reactions if stored and handled as prescribed/indicated. No corrosive effect on metal. |
| <b>Chemical Stability</b>               | Stable under normal ambient and storage/handling conditions.  |
| <b>Possible Hazardous Reactions</b>     | No hazardous reactions if stored and handled as prescribed/indicated.                               |
| <b>Conditions to Avoid</b>              | Heat, sparks, flames and other sources of ignition .<br>Temperature: > 200 °C                       |
| <b>Incompatible Materials</b>           | Strong oxidizing agents.  |
| <b>Hazardous Decomposition Products</b> | No hazardous decomposition products if stored and handled as prescribed/indicated.                  |

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Potential Health Effects

|                         |   |
|-------------------------|---|
| <b>Eye Contact:</b>     | May cause slight irritation with redness and blurred vision. Corneal injury is unlikely.  |
| <b>Skin Contact:</b>    | May cause moderate irritation and redness.  |
| <b>Inhalation:</b>      | Inhalation of vapors, mists or aerosols may cause central nervous system depression with symptoms of headache, dizziness, nausea, drowsiness and unconsciousness may also occur.  |
| <b>Ingestion:</b>       | Aspiration hazard. May cause lung damage during swallowing or vomiting. Swallowing may cause central nervous system depression with headache, nausea, dizziness and unconsciousness; gastrointestinal irritation with nausea, vomiting and diarrhea and injury to the lungs, liver and brain. |
| <b>Chronic Hazards:</b> | No chronic effects are anticipated.   |

### Acute Toxicity Values

|  |  |
|--|--|
| <b>Dermal:</b>                         | No data available  |
| <b>Oral:</b>                           | Virtually nontoxic after a single ingestion.   |
| <b>Respiration:</b>                    | No data available  |
| <b>Respiratory Sensitization:</b>      | No data available  |
| <b>Eye Sensitization:</b>              | No data available  |
| <b>Skin Sensitization:</b>             | No data available  |
| <b>Aspiration Toxicity:</b>            | No aspiration hazard expected.   |
| <b>Carcinogenicity:</b>                | No components of this product are listed as carcinogens by OSHA, IARC, NTP, ACGIH and the EU CLP.  |
| <b>Reproductive Toxicity:</b>          | No data available  |
| <b>Germ Cell Mutagenicity</b>          | No data available. Based on the ingredients, there is no suspicion of a mutagenic effect.  |
| <b>Specific Target Organ Toxicity:</b> | Single Exposure: No data available<br>Repeat Exposure: No data available<br>The statements on toxicology have been derived from products of similar structure and composition. |

## SECTION 12 - ECOLOGICAL INFORMATION

|                                  |  |
|----------------------------------|--|
| <b>Toxicity</b>                  | No ecotoxicity data is available. This product is not expected to be harmful to aquatic organisms.                           |
| <b>Persistence/Degradability</b> | Product is virtually insoluble in water, thus mechanically separable from water in suitable treatment plants.                |
| <b>Mobility in Soil</b>          | Product will not evaporate into the atmosphere from the water surface.   |
| <b>Bioaccumulative Potential</b> | Significant accumulation in organisms is not to be expected.   |
| <b>Results of PBT and vPvB</b>   | No data available  |
| <b>Assessment</b>                |  |
| <b>Other Adverse Effects</b>     | No data available<br>The statements on ecotoxicology have been derived from products of a similar structure and composition. |

## SECTION 13 - DISPOSAL CONSIDERATIONS

|                               |  |
|-------------------------------|--|
| <b>Waste Disposal Methods</b> | Dispose in accordance with Local, State, Federal and Provincial regulations. |
|-------------------------------|--|

**SECTION 14 - TRANSPORT INFORMATION**

|            | UN Number | UN Proper Shipping Name | Hazard Class   | Packing Group  | Environmental Hazards |
|------------|-----------|-------------------------|----------------|----------------|-----------------------|
| US Dot     | None      | Not Regulated           | Not applicable | Not applicable | Not applicable        |
| Canada DOT | None      | Not Regulated           | Not applicable | Not applicable | Not applicable        |
| EU ADR/RID | None      | Not Regulated           | Not applicable | Not applicable | Not applicable        |
| IMO/IMDG   | None      | Not Regulated           | Not applicable | Not applicable | Not applicable        |
| IATA/ICAO  | None      | Not Regulated           | Not applicable | Not applicable | Not applicable        |

**Special Precautions for User:** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

**SECTION 15 - REGULATORY INFORMATION****US Federal Legislation**

**CERCLA:** This product is not subject to reporting under CERCLA.  
**CLEAN AIR ACT:** This product does not contain any Hazardous Air Pollutants (HAPS).  
**SARA 311/312 Hazard Categories:** None  
**SARA 313 Toxic Ingredients:** None  
**TSCA:** Product components are listed on TSCA inventory.

**State Regulations**

**California Proposition 65:** This product contains no chemicals known to state of California to cause cancer, birth, or any other reproductive defects.  
**Pennsylvania Right To Know:** No components subject to the Act.  
**New Jersey Right To Know:** No components subject to the Act.  
**Other State Regulations:** Check individual state requirements.

**SECTION 16 - OTHER INFORMATION**

| Hazard Rating       | NFPA | HMIS |
|---------------------|------|------|
| Health Hazard       | 1    | 1    |
| Fire Hazard         | 1    | 1    |
| Reactivity          | 0    | 0    |
| Personal Protection |      | B    |

**IF PURCHASED IN SOLUTION****VOLATILE SOLVENT - Mineral Spirits**

Product may be purchased at 50% or 70% solids

**Flash Point:** 105°F

Solvent conforms to Rule 66 low aromaticity.

**SDS Issue Date:** December 1, 2018

**Version:** 1.1

**Revision Notes:**

**Disclaimer:**

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