

**MATERIAL SAFETY DATA SHEET**

Nashua 300, 333, 345, 351, 354, 357, 365, 392,  
 393, 394, 395, 396, 398, 399

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING**

**Product Name** Nashua 300, 333, 345, 351, 354, 357, 365, 392, 393, 394, 395, 396, 398, 399  
**Product Description** Polymer Based Pressure Sensitive Adhesive  
**Manufacturer/Supplier** Berry Plastics Corporation, Tapes and Coatings Division  
**Address** 25 Forge Parkway  
 Franklin, MA 02038  
**Phone Number** (800) 248-7659 (Monday – Friday 8:00 am to 5:00 pm)  
**Chemtrec Number** (800) 424-9300  
**Revision Date:** July 29, 2008  
**MSDS Date:** August 10, 2006

*Safety Data Sheet according to EC directive 2001/58/EC and OSHA's Hazcom Standard (29 CFR 1910.1200)*

**2. HAZARDS IDENTIFICATION**

**EU Main Hazards**  
 Not classified as hazardous.

**Routes of Entry**  
 - Inhalation - Skin contact

**Carcinogenic Status**  
 See Section 11 for information.

**Target Organs**  
 - Skin

**Health Effects - Eyes**  
 Contact may cause irritation due to mechanical abrasion.

**Health Effects - Skin**  
 Prolonged, repeated contact with adhesive may cause skin irritation.

**Health Effects - Ingestion**  
 Not an expected route of entry during normal handling and use.

**Health Effects - Inhalation**  
 Not expected to cause irritation during normal handling and use.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Polymers and Rubbers	N.A.	<20%	None	None
Hydrocarbon resin	N.A.	<25%	None	None
Inorganic Compound(s)	N.A.	<30%	None	None
Titanium Dioxide	13463-67-7 236-675-5	<2%	None	None
Quartz	14808-60-7 238-878-4	<1%	None	None

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#### 4. FIRST AID MEASURES

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##### **Eyes**

Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

##### **Skin**

Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.

##### **Ingestion**

Obtain medical attention immediately.

##### **Inhalation**

Remove person to fresh air. Seek medical attention if symptoms persist.

##### **Advice to Physicians**

Treat symptomatically.

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#### 5. FIRE - FIGHTING MEASURES

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##### **Extinguishing Media**

Water spray, carbon dioxide and dry chemical.

##### **Unusual Fire and Explosion Hazards**

Can release hazardous vapors during a fire.

##### **Protective Equipment for Fire-Fighting**

Wear full protective clothing and self-contained breathing apparatus.

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#### 6. ACCIDENTAL RELEASE MEASURES

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No specific measures necessary. Prevent the material from entering drains or watercourses.

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#### 7. HANDLING AND STORAGE

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Keep away from heat and sources of ignition. Exposure to high heat or flame can release irritating and toxic fumes. Storage area should be: - cool - dry - well ventilated - away from incompatible materials

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#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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##### **Occupational Exposure Standards**

Exposure limits are listed below, if they exist.

##### **Polymers and Rubbers**

None established

##### **Hydrocarbon Resin**

None established

##### **Inorganic Compound(s)**

None established

##### **Quartz**

ACGIH TLV for Quartz (silica-crystalline) is 0.025 mg/m<sup>3</sup> measured as respirable fraction of the aerosol

##### **Titanium Dioxide**

ACGIH TLV: 10 mg/m<sup>3</sup> TWA

OSHA PEL: 15 mg/m<sup>3</sup> TWA (Total dust)

##### **Engineering Control Measures**

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

##### **Respiratory Protection**

Respiratory protection not normally required.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Hand Protection

Not required under normal conditions of use. However, care should be taken to avoid contact with the adhesive.

### Eye Protection

Safety glasses

### Body Protection

Normal work wear.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Physical State</b>	Polymer and cloth backing with a polymer based pressure sensitive adhesive
<b>Color</b>	Varied
<b>Odor</b>	Slight
<b>pH</b>	Not applicable
<b>Specific Gravity</b>	No data available
<b>Boiling Range/Point (°C/F)</b>	Not applicable
<b>Melting Point (°C/F)</b>	Not applicable
<b>Flash Point (PMCC) (°C/F)</b>	Not known
<b>Explosion Limits (%)</b>	No data available
<b>Vapor Pressure</b>	Not applicable
<b>VOC (g/l)</b>	< 1 g/l
<b>Density</b>	No data.
<b>Solubility in Water</b>	Not known
<b>Vapor Density (Air = 1)</b>	Not applicable

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## 10. STABILITY AND REACTIVITY

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### Stability

Stable under normal conditions.

### Conditions to Avoid

- Heat - High temperatures

### Materials to Avoid

Acids – bases – strong oxidizers

### Hazardous Polymerization

Will not occur.

### Hazardous Decomposition Products

– oxides of carbon – hydrocarbons – partially oxidized hydrocarbons – traces of alphaethylacrolein and formaldehyde – aldehydes – acrolein – waxes – oligomers – oxygenated hydrocarbons – oxides of nitrogen

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## 11. TOXICOLOGICAL INFORMATION

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### Acute Toxicity

Low order of acute toxicity.

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## 11. TOXICOLOGICAL INFORMATION

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### Chronic Toxicity/Carcinogenicity

Titanium Dioxide: IARC Overall Evaluation is 2B (Possibly carcinogenic to humans) When encapsulated in the adhesive matrix the risk of exposure is reduced.

For "inhalable" crystalline silica (quartz): IARC Overall Evaluation is 1 (carcinogenic to humans), the quartz in this formulation is in an adhesive matrix and is not expected to be "inhalable".

### Genotoxicity

This product is not expected to cause any mutagenic effects.

### Reproductive/Developmental Toxicity

This product is not expected to cause adverse reproductive effects.

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## 12. ECOLOGICAL INFORMATION

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### Mobility

No relevant studies identified.

### Persistence/Degradability

No relevant studies identified.

### Bio-accumulation

No relevant studies identified.

### Ecotoxicity

The product may be harmful to aquatic organisms.

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## 13. DISPOSAL CONSIDERATIONS

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Dispose of in accordance with all applicable local and national regulations.

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## 14. TRANSPORT INFORMATION

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<b>DOT CFR 172.101 Data</b>	Not Regulated
<b>UN Proper Shipping Name</b>	Not Regulated
<b>UN Class</b>	None.
<b>UN Number</b>	None.
<b>UN Packaging Group</b>	None.
<b>Classification for AIR Transportation (IATA)</b>	Consult current IATA Regulations prior to shipping by air.

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## 15. REGULATORY INFORMATION

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<b>EU Label Information</b>
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Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments(2001/60/EC and 2006/8/EC)

### EC Annex I Classification

According to EC Commission Directive 67/548/EEC this product is not classified.

### R phrases

None.

### S phrases

None.

<b>US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS</b>
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### TSCA Listing

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory.

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**15. REGULATORY INFORMATION**

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**EINECS Listing**

All ingredients in this product have not been verified for inclusion on the European Inventory of Existing Commercial Chemical Substances (EINECS) or specifically exempted.

**DSL (Canadian) Listing**

All ingredients in this product have not been verified for inclusion on the Domestic Substance List (DSL).

**California Proposition 65**

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: Arsenic (7440-38-2) <1ppm – Lead (7439-92-1) <1 ppm

**SARA Title III Sect. 311/312 Categorization**

Immediate (acute) Delayed (chronic)

**SARA Title III Sect. 313**

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations. - none

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**16. OTHER INFORMATION**

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**NFPA Ratings**

NFPA Code for Flammability - 0

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards – 0

**HMIS Ratings**

HMIS Code for Flammability - 0

HMIS Code for Health - 1

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8

**Abbreviations**

N/A: Denotes no applicable information found or available

CAS#: Chemical Abstracts Service Number

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

NTP: National Toxicology Program

IARC: International Agency for Research on Cancer

R: Risk

S: Safety

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

BOD: Biological Oxygen Demand

KoC: Soil Organic Carbon Partition Coefficient

**For further information email:** [msdstechnical@berryplastics.com](mailto:msdstechnical@berryplastics.com)

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16. **OTHER INFORMATION**

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