

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

**Product Name** D9100, D9100SW, D9180  
**Product Description** 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:** November 16, 2011  
**MSDS Date:** May 3, 2007

*Safety Data Sheet according to EC directive 2001/59/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**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Target Organs**

Skin – Reproductive System

**Health Effects - Eyes**

Contact may cause irritation due to mechanical abrasion.

**Health Effects - Skin**

Prolonged, repeated contact with adhesive may cause skin irritation. Material can be absorbed through the skin and repeated, prolonged contact may cause adverse reproductive effects.

**Health Effects - Ingestion**

Not an expected route of entry during normal handling and use.

**Health Effects - Inhalation**

Prolonged, repeated inhalation of adhesive may cause dizziness, drowsiness and adverse reproductive effects.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Proprietary Adhesive	N.A.	<10%	None	None
Toluene	108-88-3 203-625-9	0.1 - <1%	R11, R38, R48/20, R63, R65, R67	F, Xn, Repro Cat. 3
N-methyl-2-pyrrolidone	872-50-4 212-828-1	<0.3%	R36/37/38 @ Conc. ≥10% R61@ Conc. ≥5%	Xi @ Conc. ≥10% Repro Cat 2. @ Conc. ≥5%

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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**

May 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. 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.

##### **Proprietary Adhesive**

None established

##### **Toluene**

ACGIH: TLV 20 ppm (75mg/m<sup>3</sup>) 8hTWA.

OSHA: PEL 200 ppm 8h TWA , Ceiling (C) 300 ppm, 500ppm 10-min peak per 8-hr shift

##### **N-methyl-2-pyrrolidone**

None established

##### **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.

##### **Hand Protection**

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

##### **Eye Protection**

Safety glasses

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Body Protection**

Normal work wear.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Physical State</b>	Polyurethane film coated on one side with a pressure sensitive adhesive (may include a paper or polymer liner)
<b>Color</b>	Semi-Bleached with natural backing
<b>Odor</b>	Slight solvent
<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>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 - oxidizers – aldehydes – halogens

**Hazardous Polymerization**

Will not occur.

**Hazardous Decomposition Products**

Oxides of carbon – oxides of nitrogen – cyanic acid – toxic fumes

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**11. TOXICOLOGICAL INFORMATION**

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**Acute Toxicity**

Toluene: Oral LD50 rat >2,000 mg/kg

    Dermal LD50 rabbit >3,000 mg/kg

    Inhalation LC50(rat) 28.1 mg/l 4hr

N-methyl -2-pyrrolidone: Oral LD50 rat 4,150 mg/kg

    Dermal LD50 rabbit >5,000 mg/kg

**Specific Target Organ Systemic Toxicity (single and repeat)**

No relevant studies identified.

**Serious Eye damage/Eye Irritation**

May cause irritation due to mechanical abrasion.

**Skin Corrosion/Irritation**

No relevant studies identified.

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**11. TOXICOLOGICAL INFORMATION**

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**Respiratory or Skin Sensitization**

No relevant studies identified.

**Carcinogenicity**

Not considered carcinogenic by NTP, IARC, and OSHA.

**Germ Cell Mutagenicity**

Toluene: Negative Ames Test with and without metabolic activation.

N-methyl -2-pyrrolidone: Not mutagenic.

**Toxicity to Reproduction**

Toluene: In laboratory studies, birth defects, increased fetal lethality and delayed fetal development have been observed in offspring of female animals exposed during pregnancy. Toluene has been demonstrated to be embryofetotoxic and teratogenic in laboratory animals.

N-methyl -2-pyrrolidone: May cause harm to the unborn child.

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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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**EU Label Information**

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.

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**15. REGULATORY INFORMATION**

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**US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS**

**TSCA Listing**

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

**EINECS Listing**

All ingredients in this product have been verified for listing on the European Inventory of Existing Commercial Chemical Substances (EINECS).

**DSL (Canadian) Listing**

All ingredients in this product have been verified for listing 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: toluene(108-88-3) <1% – benzene (71-43-2) trace – ethylenimine (151-56-4) trace – ethylbenzene (100-41-4) trace – N-methyl -2-pyrrolidone (872-50-4) <0.3%

**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

**REACH**

This product contains the following chemicals that are included in the candidate list of Substances of Very High Concern (SVHC): N-methyl -2-pyrrolidone (872-50-4) <0.3%

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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  
R11: Highly Flammable  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R38: Irritating to skin.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R61: May cause harm to the unborn child.  
R63: Possible risk of harm to the unborn child.

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**16. OTHER INFORMATION**

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R65: Harmful: may cause lung damage if swallowed.  
R67: Vapours may cause drowsiness and dizziness.S: Safety  
LC50: Lethal Concentration 50%  
F: Highly Flammable  
Xn: Harmful  
Xi: Irritant  
LD50: Lethal Dose 50%  
BOD: Biological Oxygen Demand  
KoC: Soil Organic Carbon Partition Coefficient

**For further Information email:** [msdstechical@berryplastics.com](mailto:msdstechical@berryplastics.com)

**Prepared By:** EnviroNet LLC.

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