NorthStar™ Chemicals, Inc.

# Material Safety Data Sheet



## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME: Premier PB 920 Canister**
**MANUFACTURER: NorthStar Chemicals, Inc.**
**ADDRESS:** 19 Smiley Ingram Rd., Cartersville, GA 30120

EMERGENCY PHONE: CHEMTREC 1-800-424-9300

**Issue Date:** 09-28-09
**Supercedes Date:** Initial Issue

**Document Number: 1000-468**

**Product Use:** Intended Use: Adhesive

## SECTION 2: INGREDIENTS

| Ingredient | C.A.S. No. | % by Wt. |
|---|---|---|
| Methylene Chloride | 75-09-2 | 40-50% |
| Dimethyl Ether | 115-10-6 | 15-25% |
| Isobutane | 75-28-5 | 5-10% |
| Propane | 74-98-6 | 5-10% |

## SECTION 3: HAZARDS IDENTIFICATION

### 3.1 EMERGENCY OVERVIEW

**Immediate health, physical, and environmental hazards:** Closed containers exposed to heat from fire may build pressure and explode. Extremely flammable liquid and vapor.
Contains a chemical or chemicals which can cause cancer. May cause target organ effects.

### 3.2 POTENTIAL HEALTH EFFECTS

**Eye Contact:**
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
**Skin Contact:**
Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Inhalation:**
Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Intentional concentration and inhalation may be harmful or fatal.

May be absorbed following inhalation and cause target organ effects.

**Ingestion:**
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May be absorbed following ingestion and cause target organ effects.

**Target Organ Effects:**
Central Nervous System (CNS) Depression: Sings/Symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness and unconsciousness.

Prolonged or repeated exposure may cause:

Liver Effects: Signs/symptoms may include loss os appetite, weight loss, fatigue, weakness, abdominal tenderness and jaundice.

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination

# SECTION 4: FIRST AID MEASURES

## 4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed:

**Eye Contact:** Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

**Skin Contact:** Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

**Inhalation:** Remove person to fresh air. If signs/symptoms develop, get medical attention.

**If Swallowed:** Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

# SECTION 5: FIRE FIGHTING MEASURE

## 5.1 FLAMMABLE PROPERTIES

**Flammability: Flammable per ASTM E-681-04**

| | |
|---|---|
| **Auto ignition temp** | **Not Established** |
| **Flash Point** | **-156 degrees F (-104 degrees C)** |
| **Flammable Limits-LEL** | **1.8** |
| **Flammable Limits-UEL** | **18** |

## 5.2 EXTINGUISHING MEDIA
Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide)

## 5.3 PROTECTION OF FIRE FIGHTERS

**Special Fire Fighting Procedures:** Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

**Unusual Fire and Explosion Hazards:** Flammable liquid and vapor. Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

# SECTION 6: ACCIDENTAL RELEASE MEASURES

**Accidental Release Measures:** Evacuate unprotected and untrained personnel from hazard area. Remove all ignition sources such as flames, smoking materials, and electrical spark sources. Use only non-sparking tools. Ventilate the area with fresh air. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect waste in approved containers and dispose of in accordance with local, state and federal laws and regulations.

# SECTION 7: HANDLING AND STORAGE

## 7.1 HANDLING
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Keep away from heat, sparks, open flame, pilot lights and other sources of ignition. No smoking while handling this material. Avoid breathing of vapors, mists or spray. Avoid eye contact with vapors, mists, or spray. Keep out of reach of children. Vapors may ignite explosively. May cause flash fire. Prevent build-up of vapors - open all windows and doors. Use general ventilation and/or local exhaust ventilation. If ventilation is not adequate, use respiratory protection equipment.

## 7.2 STORAGE
Store away from acids. Store away from heat. Store out of direct sunlight. Keep container tightly closed. Store away from oxidizing agents.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 ENGINEERING CONTROLS
Use with appropriate local exhaust ventilation. Provide appropriate local exhaust ventilation on open containers. Use in an enclosed process area is recommended. Do not use in a confined area or areas with little or no air movement. Use general ventilation and/or local exhaust ventilation. If ventilation is not adequate, use protection equipment.

## 8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

**8.2.1 Eye/Face protection**
Avoid eye contact with vapors, mists, or spray.
The following eye protection(s) are recommended: Safety Glasses with side shields. Indirect Vented Goggles.

**8.2.2 Skin Protection**
Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.
Goves made from the following material(s) are recommended: Polyvinyl Alcohol (PVA), Polyethylene/Ethylene Vinyl Alcohol.

**8.2.3 Respiratory Protection**
Avoid breathing of vapors, mists or spray.

**8.2.4 Prevention of Swallowing**
Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

**8.3 EXPOSURE GUIDELINES**

| Ingredient | Authority | Type | Limit | Additional Information |
|---|---|---|---|---|
| Dimethyl Ether | AIHA | TWA | 1000 ppm | |
| Dimethyl Ether | CMRG | TWA | 1000 ppm | |
| Isobutane | ACGIH | TWA | 1000 ppm | |
| Methylene Chloride | ACGIH | TWA | 50 ppm | Table A3 |
| Methylene Chloride | OSHA | TWA | 25 ppm | |
| Methylene Chloride | OSHA | STEL | 125 ppm | |
| Propane | ACGIH | TWA | 1000 ppm | |
| Propane | OSHA | TWA | 1000 ppm | Table Z-1 |

**SOURCES OF EXPOSURE LIMIT DATA:**

| | |
|---|---|
| **ACGIH:** | **American Conference of Governmental Industrial Hygienists** |
| **AIHA:** | **American Industrial Hygience Association Workplace Environmental Exposure Level (WEEL)** |
| **CMRG:** | **Chemical Manufacturer Recommended Guideline** |
| **EPA:** | **Environmental Protection Agency** |
| **IARC:** | **International Agency for the Research on Cancer** |
| **NIOSH:** | **National Institute for Occupational Safety and Health** |
| **NTP:** | **National Toxicology Program** |
| **OSHA:** | **Occupational Safety and Health Administration** |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Odor, Color:** | **Strong solvent odor, clear or red in color** |
| **Boiling point** | **-44 degrees F (-42 degrees C)** |
| **Vapor Density** | **Not Established** |
| **Vapor Pressure** | **Not Established** |
| **Specific Gravity** | **.86 to .90 gms/cc (7.1 to 7.5 lbs/gal)** |
| **Solubility in Water** | **Negligible** |
| **Volatile Organic Compounds** | **35% weight** |
| **VOC Less H2O & Exempt Solvents** | **<440 gms/liter** |

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable.

**Materials and Conditions to Avoid:** Sparks and/or flames

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Hazardous Decomposition or By-Products**

| Substances | Condition |
|---|---|
| **Aldehydes** | **During Combustion** |
| **Hydrocarbonws** | **During Combustion** |
| **Carbon monoxide** | **During Combustion** |
| **Carbon dioxide** | **During Combustion** |

## SECTION 11: TOXICOLOGICAL INFORMATION

**Carginogenicity:**
Contains a chemical or chemicals which can cause cancer.

| Ingredient | C.A.S. No. | Class Description | Regulation |
|---|---|---|---|
| Methylene Chloride | 75-09-2 | Group 2B | International Agency for Research on Cancer |
| Methylene Chloride | 75-09-2 | Anticipated Human carcinogen | National Toxicology Program Carcinogens |
| Methylene Chloride | 75-09-2 | Cancer hazard | OSHA Carcinogens |

## SECTION 12: ECOLOGICAL INFORMATION

Not determined.

## SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in a permitted hazardous waste incinerator. As a disposal alternative, dispose of waste product in a permitted hazardous waste facility.

## SECTION 14: TRANSPORT INFORMATION

Liquefied Gas, Flammable. N.O.S. (Contains Dimethyl Ether, Methylene Chloride) 2.1 UN 3161

## SECTION 15: REGULATORY INFORMATION

### US FEDERAL REGULATIONS

**311/312 Hazard Categories:**
Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

| Ingredient (Category if applicable) | C.A.S. No. | % by Wt. |
|---|---|---|
| Methylene Chloride | 75-09-2 | 40-50% |

## STATE REGULATIONS
### CALIFORNIA PROPOSITION 65

| Ingredient (Category if applicable) | C.A.S. No. | Classification. |
|---|---|---|
| Methylene Chloride | 75-09-2 | **Carcinogen |

**WARNING: contains a chemical which can cause cancer.

# SECTION 16: OTHER INFORMATION

**NFPA Hazard Classification**

**Health: 2** **Flammability: 4** **Reactivity: 1** **Special Hazard: None**

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.
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