

SAFETY DATA SHEET

1.0 IDENTIFICATION

- 1.1 **GHS product identifier:** P-29
- 1.2 **Other means of identification:** Solvent-Borne Vinyl-Based Filler
- 1.3 **Recommended use of the chemical and restrictions on use:** N/A
- 1.4 **Supplier's details:** CASS POLYMERS OF MICHIGAN, INC.
815 WEST SHEPHERD STREET
CHARLOTTE MI 48813 USA
INFORMATION PHONE: (248) 588-2270
- 1.5 **Emergency phone number:** (703) 527-3887(Call Collect)

2.0 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Flammable Liquid 3, Skin Corrosion/Irritation 2, Eye Damage/Irritation 2B, Toxic to Reproduction 1B, Specific Target Organ Toxicity – Single Exposure 3

2.2 GHS label elements:

Signal Word: Warning

Hazard Statement: Flammable liquid and vapor

Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.

Response: If on skin (or hair): remove/take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: use carbon dioxide, foam, dry chemical or water fog to extinguish fire.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container by incineration under controlled conditions in accordance with all local and national laws and regulations.



Signal Word: Warning

Hazard Statement: Causes skin irritation

Prevention: Wash hands thoroughly after handling. Wear protective gloves.

Response: If on skin: wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse.



Signal Word: Warning

Hazard Statement: Causes eye irritation

Prevention: Flush eyes thoroughly after eye contact.

Response: If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.

Signal Word: Danger

Hazard Statement: May damage fertility or the unborn child.

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response: If exposed or concerned: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container by incineration under controlled conditions in accordance with all local and national laws and regulations.



Signal Word: Warning

Hazard Statement: May cause respiratory irritation.

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Response: If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal: Dispose of contents/container by incineration under controlled conditions in accordance



with all local and national laws and regulations.

2.3 Other hazards which do not result in classification: Highly flammable. Flash Point is 61°F (16°C).

2.4 Hazards Material Information System (United States):

Health	2*
Flammability	1
Physical Hazard	0

Hazard Codes: *=Chronic Hazard 0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Serious Hazard, 4=Severe Hazard

3.0 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Chemical Identity	CAS No.	Concentration
2-Butaendioic Acid-Polymer with Chloroethane and Ethenyl Acetate	9005-09-8	10% - 15%
Magnesium Silicate	14807-96-6	50% - 60%
Methyl Isobutyl Ketone	108-10-1	15% - 20%
Methyl Ethyl Ketone	78-93-3	5% - 10%
Ethylene Glycol Monomethyl Ether	110-80-5	2% - 4%
DibutylPhthalate	87-74-2	1% - 3%

4.0 FIRST-AID MEASURES

4.1 Description of necessary first-aid measures:

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.

Inhalation. Move effected persons to fresh air; if effects continue, consult a physician.

Skin Contact: Continued and thorough washing in flowing water for at least 15 minutes is imperative while removing contaminated clothing. Prompt medical consultation is essential. Wash clothing before reuse. Destroy contaminated leather items.

Eye Contact: Wash immediately and continuously with flowing water for at least 15 minutes. Remove contact lenses after the first 5 minutes and continue washing. Obtain prompt medical consultation, preferably from an ophthalmologist.

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by a physician or medical personnel. Do not give anything by mouth to an unconscious person.

Note to Physician:

No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

4.2 Most Important symptoms/effects, acute and delayed:

Signs and symptoms of exposure (Acute effects): Contact with eyes may cause irritation and discomfort. Contact with skin causes irritation, redness and discomfort which is transient. Inhalation of mists may cause irritation in the respiratory tract. Inhalation of vapors may cause irritation in the respiratory tract. Coughing and chest pain may result.

Chronic exposure hazards (Possible Longer Term Effects): Repeated and/or prolonged exposure may cause allergic reaction/sensitization. Repeated and/or prolonged exposures may result in: Impaired fertility, birth defects, developmental abnormalities in the unborn child.

Medical conditions generally aggravated by exposure: Skin disorders, Respiratory Disorders and Allergies
Carcinogens under OSHA, ACGIH, NTP, IARC, other: This product contains no carcinogens in concentrations of 0.1 percent or greater. Other chronic health risks exist with components of this product. See section 8 and section 11 for further information.

4.3 Indication of immediate medical attention and special treatment needed, if necessary: N/A

5.0 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:

Water fog or fine spray, Carbon dioxide, Alcohol resistant foam, or Dry chemical fire extinguishers.

5.2 Specific hazards arising from the chemical:

FLAMMABLE: Flash Point is 61°F (16°C).

Hazardous Combustion Products: May generate toxic or irritating combustion products. Sudden reaction and fire may occur if product is mixed with an oxidizing agent.

5.3 Special protective actions for fire-fighters:

Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves.)

6.0 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear adequate personal protective equipment, see Section 8, EXPOSURE CONTROLS/PERSONAL PROTECTION.

6.2 Methods and materials for containment and clean up:

Ventilate area and remove or turn off all sources of ignition.

Large spills: Contain with dike. Pump into suitable and properly labeled containers.

Small spills: Dilute with water and recover or use non-combustible absorbent material/sand and shovel into appropriate containers.

7.0 HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid prolonged exposure. Do not get on skin, in eyes or on clothing. Do not breathe vapors. Handle in well-ventilated workspace. When handling, do not eat, drink, or smoke. After handling, wash exposed skin thoroughly before eating, drinking, smoking or using the toilet.

Other precautions: Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations (e.g. OSHA).

7.2 Conditions for safe storage, including any incompatibilities:

Keep away from oxidizers. Keep in cool, dry, ventilated storage areas and in closed containers.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Component	CAS No.	EINECS	Percent	Exposure Limits	Source
Methyl Isobutyl Ketone	108-10-1	203-550-1	15% - 20%	205 mg/m ³ TWA 307 mg/m ³ STEL	ACGIH ACGIH
Ethylene Glycol Monomethyl Ether	110-80-5	203-804-1	2% - 4%	200 ppm TWA- skin 5ppm TWA- skin	OSHA ACGIH
Methyl Ethyl Ketone	78-93-3	201-159-0	5% - 10%	300 ppm- STEL 200 ppm- TWA 590 mg/m ³ 8 hr PEL	ACGIH ACGIH OSHA
DibutylPhthalate*	87-74-2	201-557-4	1% - 3%	5 mg/m ³ TWA 5 mg/m ³ 8 hr PEL	ACGIH OSHA
Nuisance Dust from Sanding				10 mg/m ³	ACGIH

8.2 Appropriate engineering controls:

No specific controls needed.

8.3 Individual protection measures, such as personal protective equipment:

Eye protection: Chemical safety glasses. A full-face shield and vapor respirator is recommended for operations involving spraying this material.

Hand protection: Neoprene rubber gloves. Impermeable gloves. Nitrile rubber gloves. The breakthrough time of the selected glove(s) must be greater than the intended use period. The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all requisite workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), as well as the instructions/specifications provided by the glove supplier.

Respiratory protection: A cartridge mask National Institute for Occupational Safety and Health (NIOSH) approved for organic vapors is appropriate for use with this material. Maintain adequate workplace ventilation at levels below designated occupational guidelines.

Protective clothing: Long sleeved clothing. Impermeable (non-absorbant) work clothing.

Work and hygienic practices: Provide readily accessible eye wash stations and safety showers. Wash at the end of each work shift and before eating, smoking or using the toilet.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance (physical state, color, etc.): Paste-like material, White, Grey, Black

9.2 Odor: Solvent Odor

- 9.3 **Odor threshold:** N/A
- 9.4 **pH:** Not Determined
- 9.5 **Melting point/freezing point:** Not Determined
- 9.6 **Initial boiling point and boiling range:** Not Determined
- 9.7 **Flash Point:** 61°F (16°C)
- 9.8 **Evaporation rate:** N/A
- 9.9 **Flammability (solid, gas):** N/A
- 9.10 **Upper/lower flammability or explosive limits:** LFL-1.2% by volume at 200°F (93.3°C); UFL-8.0% by volume at 200°F (93.3°C)
- 9.11 **Vapor pressure:** Not Determined
- 9.12 **Vapor density:** N/A
- 9.13 **Relative density (Specific gravity):** 1.2-1.4
- 9.14 **Solubility(ies):** Liquid Components Readily Soluble in Water
- 9.15 **Partition coefficient; n-octanol/water:** N/A
- 9.16 **Auto-ignition temperature:** Not Determined
- 9.17 **Decomposition temperature:** N/A
- 9.18 **Viscosity:** N/A
- 9.19 **Volatile Organic Compounds:** 33% (473 g/liter)

10.0 STABILITY AND REACTIVITY

- 10.1 **Reactivity:** N/A
- 10.2 **Chemical stability:** Stable
- 10.3 **Possibility of hazardous reactions:** Will not occur
- 10.4 **Conditions to avoid:** N/A
- 10.5 **Incompatible materials:** Oxidizing Agents (i.e. perchlorates, nitrates etc.). Sodium or Calcium Hypochlorite. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.
- 10.6 **Hazardous decomposition products:** Carbon Monoxide in a fire. Carbon Dioxide in a fire. Irritating and toxic fumes at elevated temperatures.

11.0 TOXICOLOGICAL INFORMATION

- 11.1 **Likely routes of exposure:** Eye Contact, Skin Contact, Ingestion, Inhalation.
- 11.2 **Symptoms related to the physical, chemical and toxicological characteristics:**
Acute toxicity: This finished product has not been tested to determine individual toxicological/ecological limits. Individual components of this mixture have been independently tested by the raw material manufacturers and any known results have been presented below. The results for the individual components may not be representative of the toxicity of this finished product.
- 11.3 **Delayed and immediate effects and also chronic effects from short and long term exposure:**
Ingestion: This material should be considered toxic by ingestion.
Skin Contact: Widespread skin contact is not likely to cause immediate toxic effects. Prolonged skin contact may cause impaired fertility or reproductive harm.
 Irritation: Skin contact has caused allergic skin reactions in certain sensitized individuals.
 Eyes: Irritation with local redness. Mechanical irritation possible due to solid filler materials.
Inhalation: May cause respiratory irritation upon exposure to vapors.
Chronic Exposure: Carcinogen; This material does not contain any known or suspected carcinogens in concentrations above 0.1%.
Mutagen: This material contains DIBUTYL PHTHALATE (CAS# 84-74-2), a substance that has caused DNA and other cell damage to human tissues in laboratory tests.
 Reproductive Hazard: This material contains DIBUTYL PHTHALATE (CAS# 84-74-2), a substance that has caused reproductive problems and birth defects in laboratory animals.
- 11.4 **Numerical measures of toxicity:**

Ingredient Name	CAS No.	%	Test	Result	Route	Species
DibutylPhthalate*	87-74-2	1% - 3%	LD50	8000mg/kg	Oral	Rat
			LC50	4250 mg/m3	Inhalation	Rat
			LD50	3050 µL/kg	Interaperitoneal	Rat
			LD50	>20mL/kg	Dermal	Rabbit
Methyl Ethyl Ketone	78-93-3	5% - 10%	LD50	2737 mg/kg	Oral	Rat
			LC50	23,500	Inhalation	Rat

			LD50	mg/m ³ 6484 mg/kg	Dermal	Rabbit
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12.0 ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Chemical Name	CAS No.	%	Test	Concentration	Result	Species
Methyl isobutyl ketone	108-10-1	15% - 20%	LC50	780 mg/L	LC50	Fathead Minnow
Methyl Ethyl Ketone	78-93-3	5% - 10%	LC50	3130 mg/L	LC50	Fathead Minnow
DIBUTYL PHTHALATE	84-74-2	1% - 3%	LC50 EC50	0.92 mg/L 3.4 mg.L	96 hr 48 hr	Fathead Minnow Daphnid

Individual components of this mixture have been independently tested by the raw material suppliers and any known results have been presented above. The results for the individual components may not be representative of the ecological toxicity of this finished product. This finished product has not been tested to determine individual toxicological/ecological limits. Caution should be taken to prevent release to the environment. See Section 13 for further information.

12.2 Persistence and degradability:

This material contains components that show little or no evidence of biodegradability. Caution should be taken to prevent release to the environment. See Section 13 for disposal information.

12.3 Bioaccumulative potential: N/A

12.4 Mobility in soil: N/A

12.5 Other adverse effects: N/A

13.0 DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

The generation of waste should be avoided or minimized wherever possible. Preferred method of disposal includes incineration under controlled conditions in accordance with all local and national laws and regulations. Untreated material is not suitable for disposal. Waste, even small quantities, should never be poured down drains, sewers or watercourses. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Contaminated packaging: Empty containers can only be disposed of when the remaining product adhering to the container walls has been removed. Hazard warning labels should be removed from the container only after it has been properly emptied.

14.0 TRANSPORT INFORMATION

14.1 UN number: UN-1866

14.2 UN proper shipping name: Resin Solution

14.3 Transport hazard class(es): 3

14.4 Packing group, if applicable: III

14.5 Environmental hazards: N/A

14.6 Transport in bulk: N/A

14.7 Special precautions for user: N/A

15.0 REGULATORY INFORMATION

15.1

Safety, health and environmental regulations:

Toxic Substances Control (TSCA)

All components are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Toxic Substance Control Act (TSCA) 12(b) Component(s)

Dibutyl Phthalate (CAS#84-74-8), 2.3% Toluene (CAS#108-88-3), 2.2%

OSHA Hazard Communication Standard (29CFR1910.1200) hazard class(es)

Irritant. Sensitizer. Possible risk of impaired fertility

EPA SARA Title III Section 312 (40CFR370) hazard class

Immediate Health Hazard. Delayed Health Hazard

EPA SARA Title III Section 313 (40CFR372) toxic chemicals above "de minimis" level are

Dibutyl Phthalate (CAS#84-74-8), 2.2%

Toluene (CAS#108-88-3), 2.2%

California Proposition 65: WARNING: This product does contain chemicals known to the State of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act OF 1986".

Dibutyl Phthalate (CAS#84-74-8), 2.2% - Reproductive Hazard

Toluene (CAS#108-88-3), 2.2%-Reproductive Hazard

CANADA REGULATION

DSL Included on Inventory

WHMIS HAZARD CLASSIFICATION

D2B- Toxic Material Causing Other Toxic Effects

WHMIS INGREDIENT DISCLOSURE LIST

Dibutyl Phthalate (CAS#84-74-8), 2.2%

WHMIS TRADE SECRET REGISTRY NUMBER(S)

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

None

WHMIS SYMBOL(S):



16.0 OTHER INFORMATION

16.1 Date of Preparation: 08/05/2011

To the best of our knowledge, the information contained herein is accurate. Final determination of the suitability of any material is the sole responsibility of the users. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.