

06/07/99 MON 13:12 FAX 19786827165
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BF GOODRICH

17314-XXXX 002

(77448-99)

Rcvd 06-29-00

MATERIAL SAFETY DATA SHEET

Product Name: BW 1029
Document: BW1029
Effective Date: 08 January 1999

CFLN: AUUS
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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: BW 1029
Company Identification: BFGoodrich
Performance Materials
9911 Brecksville Rd.
Cleveland, OH 44141-3247
Telephone: (800) 331-1144 / (216) 447-5000
Chemtrec (24 Hour): (800) 424-9300
Preparer: Health, Safety, and Environmental Department

NEUTRAL PH ADHESIVE
901-1007

Product Description: Adhesive

2. COMPOSITION, INFORMATION ON INGREDIENTS

--Ingredient--	-CAS Number-	---t---
Water	0007732-18-5	< 48
Polymer/Solids	Proprietary	< 43
Glycerin	0000056-81-5	2.5
Vinyl acetate	0000108-05-4	< 0.34

V-2686

Notes:
Amounts specified are typical and do not represent a specification.

3. HAZARDS IDENTIFICATION

Acute Health Effects
Repeated or prolonged skin contact may cause irritation.
Vapors or direct eye contact may cause irritation.
Ingestion may cause irritation.
Inhalation may cause irritation of the respiratory tract and mucous membranes.
VINYL ACETATE is a severe eye irritant and may cause redness and swelling. It has a defatting action and has resulted in severe skin irritation and formation of blisters. Vinyl acetate can be absorbed through the skin. Inhalation of vinyl acetate vapor may cause irritation to the eyes, nose, throat and respiratory tract. Inhalation of mist or aerosol could result in irritation of the upper respiratory tract leading to nausea, headache or weakness. Ingestion may cause severe irritation or chemical burns of the mouth, throat,

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esophagus and stomach.

Chronic Health Effects

VINYL ACETATE: Eye contact with the liquid can result in severe corneal burns and may result in irreversible injury. Inhalation of high amounts may cause bronchitis, pneumonitis, or pulmonary edema.

Signs/Symptoms of Exposure

Irritation.

Routes of Exposure/Entry

Eyes, skin contact, inhalation, ingestion.

Target Organs

Eyes, respiratory tract, skin.

Medical Conditions Aggravated by Exposure

Pre-existing skin problems may be aggravated by prolonged or repeated contact.

Persons with sensitive airways (e.g., asthmatics) may react to vapors.

Carcinogenic Status

VINYL ACETATE: IARC - Group 2B. Note: Typically vinyl acetate would have been classified in a category "3" classification, i.e., not classifiable as to its human carcinogenicity. However, because vinyl acetate is metabolized to acetaldehyde, a chemical previously classified by IARC as Group 2B, IARC classified vinyl acetate the same.

4. FIRST AID MEASURES

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye Contact

Immediately flush eyes with plenty of clean water for an extended time, not less than five (5) minutes. Flush longer if there is any indication of residual chemical in the eye.

Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion.

Skin Contact

Wash the affected area thoroughly with plenty of water and soap.

Inhalation

If affected, remove to fresh air.

If not breathing, give artificial respiration.

See a physician.

Ingestion

No ingestion effects known. Treat symptomatically.

See a physician.

5. FIRE FIGHTING MEASURES

NFPA Flammability Class	N/A
Flash Range	Not Applicable
Explosive Range	Not Applicable

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Fire and Explosive Properties

This product is not known to present any fire hazard.

Extinguishing Media

Being an aqueous system, product is not a fire hazard, as supplied. After water is evaporated, dry solids could burn. Water spray, ABC dry chemical and protein type air foams are effective. Carbon dioxide may be ineffective on larger fires due to a lack of cooling capacity, which may result in reignition.

Fire Fighting Instructions

Wear self-contained breathing apparatus (SCBA) equipped with a full facepiece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations.

Unusual Fire/Explosion Hazards

None known for the product as delivered (water solution). Irritating and toxic substances will be emitted upon combustion, burning or decomposition of the dry solids. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

Containment Techniques

Contain spill.

If spilled in an enclosed area, ventilate.

Clean-Up Techniques

Wear proper personal protective clothing and equipment.

Do not flush liquid into public sewer, water systems or surface waters.

Recover as much as possible for reuse.

Soak up large spill residue and small spills with an inert absorbent.

Place into labeled, closed container; store in safe location to await disposal.

Wash the spill area with soap and water.

Change contaminated clothing and launder before reuse.

CAUTION: Spilled liquid and dried film are slippery. Use care to avoid falls.

7. HANDLING AND STORAGE

Handling

Avoid eye contact.

Avoid repeated or prolonged skin contact.

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Avoid inhalation of aerosol, mist, spray, fume or vapor.
Avoid drinking, tasting, swallowing or ingesting this product.
Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities.
Provide eyewash fountains and safety showers in the work area.
Use under well-ventilated conditions.

Storage

Do not store in open, unlabeled or mislabeled containers.
Keep container closed when not in use.
Do not reuse empty container without commercial cleaning or reconditioning.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	--ACGIH-TWA--	-ACGIH-STEL---	---OSHA-TWA---	--OSHA-STEL---
Water	N/E	N/E	N/E	N/E
Polymer/Solids	N/E	N/E	N/E	N/E
Glycerin	10.00 mg/m3	N/E	5.00 mg/m3	N/E
Vinyl acetate	10.00 PPM	15.00 PPM	10.00 PPM	20.00 PPM

Engineering Controls

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation.

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Ventilation guidelines/techniques may be found in publications such as Industrial Ventilation: American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, OH, 45240-1634, USA.

Eye/Face Protection

Wear eye protection.

Skin Protection

Wear protective gloves.

Respiratory Protection

For exposure to vinyl acetate:

11-100 ppm: wear a full face air purifying respirator.

101 - 1000 ppm: wear a supplied air respirator, continuous flow, positive pressure

> 1000 ppm: wear a self-contained breathing apparatus, positive

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pressure unit, which permits the wearer to carry a supply of breathing air in a cylinder.
Use respirator in accordance with manufacturer's use limitations and OSHA standard 1910.134 (29CFR).

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance/Color	Milky White
Odor	Acrid
pH Value	7.5-9.0
Boiling Range	> 212.F (100.C)
Vapor Pressure (mmHg)	~ 18. @ 68.F (20.C)
Melting Point	Not Applicable
Evaporation Rate	Slower than n-Butyl Acetate
Vapor Density	Lighter than air
Partition Coefficient	Not Applicable
% Volatile Weight	46%-50%
Specific Gravity	1.08
VOC	<0.5%

10. STABILITY AND REACTIVITY

Stability	This product is stable
Hazardous Polymerization	Hazardous polymerization will not occur

Conditions to Avoid

Do not freeze.

Incompatibility with other materials

No specific incompatibilities. Materials which are not compatible with water will not be compatible with this product.

Substances that are not compatible with ordinary organic compounds (such as strong oxidizers) will not be compatible with this product.

Contamination with strong acids and bases may coagulate latex.

Hazardous Decomposition Products

Carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Route	Species	Exposure and Dose
Glycerin Oral	Rat, adult	LD50 12.6 g/kg

12. ECOLOGICAL INFORMATION

No ecological testing has been conducted on this product.

13. DISPOSAL CONSIDERATIONS

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Incinerate waste product when in liquid form (i.e., as supplied) in a properly permitted (approved) incineration facility in accordance with federal, state and local regulations.
Liquids cannot be disposed of in a landfill.
Liquid product generally requires some pre-disposal treatment to separate the liquid from the polymeric portion. Typically, this is done by coagulating the polymer and removing the liquid. The liquid portion may be discharged to an industrial or public treatment works with approval of appropriate permitting authorities.
Solid products can be sent to an approved landfill, or preferably incinerated.

14. TRANSPORTATION INFORMATION

UN Number	N/A
UN Pack Group	N/A
UN Class	N/A
ICAO/IATA Class	N/A
IMDG Class	N/A
ADR/RID Class	N/A

Notes:

This product is NOT REGULATED for domestic and international transportation.

15. REGULATORY INFORMATION

--SARA Title III Section 313-----

This product does not contain any substance(s) subject to the reporting requirements (i.e., at or above de minimus quantities) of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) 40 CFR 372.

--SARA Title III Section 312 Hazard Category (40 CFR 311/312)--

Acute Health:	No	Release of Pressure:	No
Chronic Health:	No	Reactive:	No
Fire:	No		

--PROP 65 (Carcinogen)-----

WARNING: This product contains a chemical known to the state of California to cause cancer.

Vinyl acetate

Chemical identity of some or all components present is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i).

US (Federal) Regulations

TSCA: All components of this product are either listed on the U.S.

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Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.
 Clean Air Act (CAA): This product when processed may give off a CAA substance (CAA section 112). The amount given off varies and is dependent upon process conditions (i.e. use, curing, heating). Listed below are possible CAA substances in this product:

Vinyl acetate

International Regulations

Canadian DSL: All components in this product are on the Canadian Domestic Substances List (DSL) or are exempt from listing.
 Canadian Ingredient Disclosure List (WHMIS): Not applicable.
 Canadian WHMIS: This product is NOT controlled under the Canadian Workplace Hazardous Materials Information System (WHMIS).

16. OTHER INFORMATION

HMIS Rating (H-F-R-PPI) 1-0-0-B

NFPA Rating (H-F-R) 1-0-0

KEY: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme.

Hazardous Materials Identification System (HMIS), National Paint and Coatings Assn. rating applies to product "as packaged" (i.e., ambient temperature).

National Fire Protection Association (NFPA) rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

Legend:

*: A Trademark of The BFGoodrich Company
 ACGIH: American Conference of Governmental Industrial Hygienists
 A1: Confirmed human carcinogen
 A2: Suspected human carcinogen
 A3: Animal carcinogen
 CAS No: Chemical Abstract Service Registry Number
 IARC: International Agency for Research on Cancer
 Group1: Carcinogenic to humans
 Group2A: Probably carcinogenic to humans
 Group2B: Possibly carcinogenic to humans
 Group3: Unclassifiable as a carcinogen to humans
 MSHA: Mine Safety and Health Administration
 NIOSH: National Institute for Occupational Safety and Health
 NTP: National Toxicology Program
 N/A: Not Applicable
 N/E: None Established
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible Exposure Limit
 PNOC: Particulates Not Otherwise Classified
 RTK: Right To Know
 STEL: Short Term Exposure Limit (15 minute Time Weighted Average)
 TLV: Threshold Limit Value
 C: Ceiling limit

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S: Skin notation refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes and by direct skin contact with the substance

WEEL: Workplace Environmental Exposure Level

WHMIS: Canadian Workplace Hazardous Materials Information System Users Responsibility/Disclaimer of Liability

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