MATERIAL SAFETY DATA SHEET

APPROVED BY U S LABOR DEPT, ESSENTIALLY SIMILAR TO FORM OSHA 174

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTITY: BERRYMAN B-12 CHEMTOOL (LIQUID)

CARB CLEANER FUEL TREATMENT

PART NUMBER(S): 0112 (BLEND 1AC)

COMPANY NAME: BERRYMAN PRODUCTS, INC. PHONE NO. (800) 433-1704

3800 EAST RANDOL MILL RD. EMERGENCY RESPONSE NUMBER:

ARLINGTON, TEXAS 76011 INFOTRAC: (800) 535-5053

SECTION 2. INGREDIENT AND REGULATORY INFORMATION

SARA TITLE III Section 313 Supplier Notification

This product contains the indicated (*) toxic chemicals subject to

the reporting requirements of Section 313 of the Emergency Planning

& Community Right-To-Know Act of 1986 & of 40 CFR 372.

HAZARDOUS INGREDIENTS	CAS#	WT.%	(REG. SECTION)
*2-Butoxyethanol	111-76-2	10 - 20	(311,312,313)
*Mixed Xylenes	1330-20-7	60 - 70	(311,312,313)
n-Propanol	71-23-8	Not Appl.	(311,312)

MATERIAL	CAS#	TWA (OSHA)	TLV (ACGIH)
n-Propanol	71-23-8	200 ppm	200 ppm
Mixed Xylenes	1330-20-7	100 ppm	100 ppm
2-Butoxyethanol	111-76-2	25 ppm(S)	25 ppm(S)

MATERIAL	CAS#	CEILING	STEL (OSHA/ACGIH)
Mixed Xylenes	1330-20-7	None Known	150 ppm
n-Propanol	71-23-8	None Known	250 ppm

SECTION 3. FIRE FIGHTING MEASURES

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.3

FLASH POINT (TEST METHOD): 15 C / 59 F (TCC) (Lowest Component)

EXTINGUISHING AGENTS: Foam, Dry Chemical, Carbon Dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water spray.

UNUSUAL EXPLOSION AND FIRE PROCEDURES: FLAMMABLE!! Firefighters should wear self contained breathing apparatus due to thermal decomposition products, and avoid skin contact.

SECTION 4. PHYSICAL DATA

APPEARANCE:	% VOLATILE BY VOL:
ODOR:	Alcohol
BOILING RANGE:	99 170 C/ 211 339F
GRAVITY @ 60 F:	
SPECIFIC GRAVITY (Water=1):	0.860
POUNDS/GALLON:	7.165
VAPOR PRESSURE (mm of Hg) @ 20 C:	7.2
VAPOR DENSITY (air = 1):	3.4
WATER ABSORPTION:	Appreciable
MELTING POINT:	N/A
EVAPORATION RATE (BuAC=1):	> 1
% VOLATILE BY VOL:	100.0

SECTION 5. HEALTH HAZARDS IDENTIFICATION

HAZARDS: HEALTH (NFPA) 2, HEALTH (HMIS): 2, FLAMMABILITY: 3, REACTIVITY:0

ACUTE HAZARDS

EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.

Absorption thru skin increases exposure.

Primary irritation to eyes, redness, tearing, blurred vision.

Liquid can cause eye and skin irritation.

INHALATION:

Irritates respiratory tract.

Acute overexposure can cause serious nervous system depression.

Vapor harmful. Breathing vapor can cause irritation.

Acute overexposure can cause damage to kidneys, liver, and lungs.

SWALLOWING: Harmful or fatal if swallowed.

Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.

MEDICAL CONDITIONS AGGREVATED BY EXPOSURE:

Persons with severe skin, liver, heart, lung, or kidney problems should

avoid use.

CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH

as of this date greater or equal to 0.1%.

SECTION 6. FIRST AID MEASURES PROCEDURES

EYE CONTACT:

For eyes, immediately flush with plenty of water for 15 minutes. If

irritation persists CALL A PHYSICIAN IMMEDIATELY.

SKIN CONTACT:

In case of contact with skin, immediately remove contaminated clothing.

Wash thoroughly with soap and water. Wash contaminated clothing before

reuse. If irritation persists CALL A PHYSICIAN IMMEDIATELY.

INHALATION:

After high vapor exposure, remove to fresh air. If breathing is

difficult, CALL A PHYSICIAN IMMEDIATELY!

SWALLOWING:

If swallowed, give 1 or 2 glasses of water and CALL A PHYSICIAN, HOSPITAL

EMERGENCY ROOM OR POISON CONTROL CENTER IMMEDIATELY. Do not induce

vomiting unless instructed.

SECTION 7. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Avoid pouring into open flames and on heated surfaces

which can cause thermal decomposition.

MATERIALS TO AVOID: Strong oxidizers, painted surfaces.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, and Carbon Dioxide

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 8. SPILL, LEAK AND DISPOSAL PROCEDURES

Contain spill with inert absorbant material. Do not flush liquid down drain. Place absorbed liquid in approved container for disposal. Dispose of empty containers in trash. Containers with liquid; Consult Local, State or Federal Disposal Authorities for approved procedures.

SECTION 9. HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Use only in well ventilated area, preferably outdoors. Keep Out Of The Reach Of Children.

Store containers in a cool well ventilated area below 120 F.

Do not store in direct sunlight. Do not incinerate containers.

Keep lid tightly closed on containers when not in use.

SECTION 10. EXPOSURE CONTROLS AND PERSONAL PROTECTION

VENTILATION:

LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Acceptable

SPECIAL: None OTHER: None

PERSONAL PROTECTIONS:

Wear solvent-resistant gloves. Safety glasses.

Respirator not required when used with adequate ventilation.

SECTION 11. TRANSPORTATION INFORMATION (DOT)

ITEM	PROPER SHIPPING NAME	HAZARD CLASS	PKG. GROUP	UN ID. No.
0112	CONSUMER COMMODITY	ORM-D	NONE	1993

SECTION 12. OTHER INFORMATION

CALIFORNIA PROPOSITION 65: This product contains no chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

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