

04-38-046717

State Div. Emergency Gov't. (608) 266-3232
U.S. Nat'l. Response Center (800) 424-8802
Chemtrec/Pesticides/Chlorine (800) 424-9300

Spill ID Number
92012002
Y Y M M D D 0-99

04-38-046717

Date of Incident 01-20-92	Day of Week MON	Time of Incident 4:00	<input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.	Reported By (Name) George Rogers	Telephone Number (75) 735-7411
Date Reported 01-20-92	Day of Week MON	Time Reported 11:00	<input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.	Agency or Firm Reporting ANSUL	Reported thru Div. Emergen. Gov't. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Substance Involved Butyl Carb. Tol	Quantity 800-1000	Units 99US	Person or Firm Responsible Above	Contact Name Above	Telephone Number (75) 735-7411
Substance Involved	Quantity 2000-3000	Units 99US	Contact Name Above	Telephone Number (75) 735-7411	

Physical Characteristics

Solid Liquid Semisolid Gas

Color clear Odor NO

Cause of Incident
VALVE OPEN - KICKED BY ACCIDENT

Exact Location Description (intersection, mileage, etc.)
1 STANTON ST. MARINETTE

County Location
Marinette S.E.

1/4, 1/4, Section, Town, Range
NW SW 05, T 30 N, R 24 E

DNR Dist CMO DNR Area MAN

Groundwaters Affected Yes No Potential

Surface Waters Affected Yes No Potential

Name of Surface Water
MEN. RIVER

Date District Notified _____ Day of Week _____ Time District Notified _____ A.M. P.M.

District Person Notified _____ Telephone Number _____

Date Investigated
01-21-92

Day of Week
TUES

Time Investigated
4:15

A.M. P.M.

Person Investigating
STEVEN DAVE

Telephone Number
(75) 1732-0101

Action Taken By DNR

No Action Taken Investigation Supervise/Conduct Cleanup

Spiller Required To Take Action; Type CONT' cleanup/monitor

Contractor Hired By DNR; Name NO

Amount Recovered 300 outside 1500 inside dike

29.29 Enforcement

Other Agencies on Scene

Local Marinette Fire Dept. contacted immediately

State _____

Federal _____

Closed 3/6/92
TA 1/26/92

Additional Comments:
VALVE LEFT OPEN (KICKED OPEN?) ABOUT 2000-3000 GALLONS LEAKED OUT. NOT RECALCULATE BECAUSE UNKNOWN AMOUNT IN TANK TO BEGIN WITH. TRIED TO NOTIFY A.S.A.P. BUT DUE TO HOLIDAY DID NOT UNTIL 1-21-92 10:15 AM. CRACK IN DIKE UNKNOWN AMOUNT LEAKED OUT ONTO FROZEN GROUND. 300 GALS RECOVERED OUTSIDE 1200 INSIDE DIKE. PICTURES TAKEN PER NOSALSKI.

Address - Street or Route
1 STANTON ST.

City, State, Zip Code
MARINETTE, WI 54143

Action Taken By Spiller

No Action Taken No Notification Investigate

Containment; Type W/IN DIKE - SEE NOTES

Cleanup; Method CONTAIN, PUMP OUT, REUSE

Amount Recovered - CONTINUING

Monitor

Contractor Hired; Name _____

Other Action _____

Spill Location

Industrial Facility/Paper Mill/Chem. Co.

Gas/Service Station/Garage, Auto Dealer, Repair Shop

Ag Coop/Facility/Cheese Factory/Creamery

Other Small Business (bank, grocery, insurance co., etc.)

Public Property (city, county, state, church, school, etc.)

Utility Co., Power Generating/Transfer Facility

Private Property (home/farm)

Pipeline, Terminal, Tank Farm, Oil Jobber/Wholesaler

Transportation Accident, Fuel Supply Tank Spill

Transportation Accident, Load Spill

Construction, Excavation, Wrecking, Quarry, Mine

Other _____

Spilled Substance Destination

Air AT THIS TIME ATTEMPTS TO REUSE. IF NOT ABLE TO WILL HAVE TO CONTACT DISPOSAL FIRM.

Soil

Groundwater

Surface Water

Storm Sewer

Sanitary Sewer

Contained/Recovered

Other 1/24/92 ATTEMPT TO REUSE.

Person Filing This Report (print name)
STEVEN DAVE

Signature
STEVEN DAVE

Date Signed
1-21-92

March 6, 1992

Warden Steve Daye
WDNR - Marinette
P.O. Box 16
Industrial Parkway
Marinette, WI 54143-0016

Dear Warden Daye:

You asked that I document Ansul's estimate of the amount of butyl carbitol lost and unrecovered from the Bldg. 18 dike after the January 20, 1992 spill.

Butyl carbitol receipts at Bldg. 18 are tabulated in pounds from the Dow shipping papers. The level of the tank is not read daily, but rather a running total of tank throughput in pounds is recorded. The material is then weighed as it is put into shipping containers.

The total tank throughput from July 1, 1991, to the time of the spill was 472,588 pounds, of which 8,321 pounds (1,034 gallons) is not accounted for by product usage or inventory. This value constitutes all losses, including the spill, valve leakage, filling losses, evaporation, and density differences caused by temperature differences. In order to estimate the volume of the spilled material lost, we must first estimate that portion of the unaccounted-for 1,034 gallons due to other losses.

Density Losses

At the time of the spill, Ansul estimates the temperature of the butyl carbitol in the tank was 30° F with a density of 8.048 lb/gal. We estimate the material leaves Dow at an average temperature of 45° F and a density of 8.00 lb/gal. The plant throughput from July 1, 1991 to the spill was 472,588 lb.

- 1.) $\frac{472,588 \text{ lb.}}{8.00 \text{ lb/gal.}}$ = 59,073 gallons as delivered from Dow
- 2.) $\frac{472,588 \text{ lb.}}{8.048 \text{ lb/gal.}}$ = 58,721 gallons as delivered to the product after outdoor storage.



March 6, 1992

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3.) That portion of the 1,034 lb. unaccounted for due to density differences is estimated to be 352 gallons.

4.) 1,034 gallons
- 352 gallons
682 gallons remaining due to the spill and total plant losses.

Plant Losses

Ansul has conducted in plant studies which indicate that approximately 1% of the total throughput of butyl carbitol is lost to evaporation, filling losses, leaks, etc.

- 1.) $472,588 \text{ lb} \times 1\% = 4,725 \text{ pounds (591 gallons at } 45^{\circ}\text{)}$
- 2.) That portion of the remaining 682 gallons lost due to plant losses (not including the spill) is estimated to be 591 gallons.

Thus the butyl carbitol unrecovered from the spill is estimated at approximately 100 gallons. As you know that butyl carbitol on the ground outside the dike has been picked up for reuse. Ansul will recover any more material that appears from under the slab for reuse or disposal, as appropriate. If butyl carbitol resulting from this activity must be sent off-site for disposal, Ansul will notify you of it's final destination.

The cracks in the dike have been sealed with a temporary flexible caulk material and will be permanently patched when the weather permits.

If you have any questions, please contact me.

Sincerely,

ANSUL FIRE PROTECTION


George E. Rogers
Environmental Control Manager

GER/nwp



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Carroll D. Besadny
Secretary

P. O. Box 16
Industrial Parkway
Marinette, WI 54143
Telephone (715) 732-0101
Telefax (715) 732-4450

February 25, 1992

File Ref:

ANSUL FIRE PROTECTION
ATTN: GEORGE ROGERS
1 ONE STANTON STREET
MARINETTE WI 54143

Dear George:

I am in receipt of your letter detailing the amount of Butyl Carbinol that was discovered to be leaking from a valve on January 20, 1992. In your letter you state that your engineers feel that there was approximately 2,800 gallons of this product leaked, and as of the date of your letter, 1,697 gallons had been recovered. The Department's position, and probably anyone's position, upon reading this letter is, where is the approximately 1,100 gallons of product.

This case cannot be closed until we can document where the other 1,100 gallons of product are at this time. This may require that Ansul do a more in depth investigation as to where this product may be. One of these steps may involve bringing in a specialist to test the soil to find out if that is where the extra 1,100 gallons are at this time. The long and short of this is that the Department must be aware and think it would be a good policy for Ansul also, as to the determination of where the remaining 1,100 gallons of product may be.

Upon receipt of this letter, please contact me at my office at (715) 732-0101, so we can discuss this.

Sincerely,

Steven Daye
Conservation Warden

SD/bm

February 21, 1992

Mr. Steve Day
Wisconsin DNR - Marinette
Industrial Parkway
Marinette, WI 54143

Dear Mr. Day:

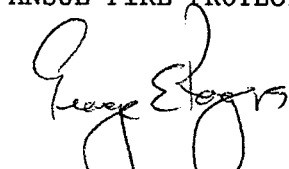
RE: Butyl Carbital Spill Update
January 20, 1992

You requested an update of the above incident. To date, we have recovered 1,697 gallons of butyl carbital. The material is being held in the raw material tanks in Bldg. 18 and will be used in production. Engineering estimates of the total amount spilled is approximately 2,800 gallons.

If you have any questions, please contact me.

Sincerely,

ANSUL FIRE PROTECTION



George E. Rogers
Environmental Control Manager

GER/nwp



NOT ENTERED

E 14178

COMPLAINT OR INFORMATION RECORD
Form 4100-48 Rev. 3-88

Department of Natural Resources

Date Received Mo. Day Yr.				Time Received		<input checked="" type="checkbox"/> A.M. <input type="checkbox"/> P.M.		Violation				Violation Code		
Mo.		Day		Yr.				Date of Violation Mo. Day Yr.		Day of Week 1 2 3 4 5 6 7		Time of Violation <input type="checkbox"/> A.M. <input checked="" type="checkbox"/> P.M.		
FAN		21		1992		10:15 AM		FAN 14 1992		1		"SUNDAY NITE"		
Location of Violation								Fire No.		County		Co. Code	Township	Twp. Code
[REDACTED]								[REDACTED]		MARINETTE		[REDACTED]	[REDACTED]	MARINETTE
Suspect Name													State	
Suspect Address													City	State
Suspect's Vehicle Make				Model		Color		Lic. No. and State						

COMPLAINT DETAILS

MR. ROGERS CALLED TO REPORT A SPILL OF BUTYL CARBITOL "SUNDAY NITE"
 HE TRIED TO REPORT IT WHEN HE WAS NOTIFIED YESTERDAY (W. KING DAY) WITHOUT
 SUCCESS. A BROKEN VALVE LEAKED THE PRODUCT INTO A MIKED AREA, BUT A
 CRACK IN THE MIKE ALLOWED SOME TO ESCAPE. THE PRODUCT IS A HEAVY,
 NON-VOLATILE FLUID, A GLYCOL ETHER-TYPE LIQUID. IT HAS NOT
 GOTTEN INTO GROUNDWATER OR SURFACE WATER, THEY HAVE COLLECTED
 300 GAL & CONTINUE TO COLLECT (STUFF IS WORTHY # & THEY PLANTS RE-USE).

ACTION TAKEN

- Filed, no action taken
- Referred to _____
- Answered by letter
- Arrested (name) _____
- Resolved by telephone
- Investigated on (date & time) _____

INVESTIGATIVE REMARKS

Received By <i>[Signature]</i>	Copy 1 - Action Copy <i>[Signature]</i>	Copy 2 - Informational - Preparer <i>[Signature]</i>	Copy 3 - Area Warden (Warden Supervisor) <i>[Signature]</i>
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