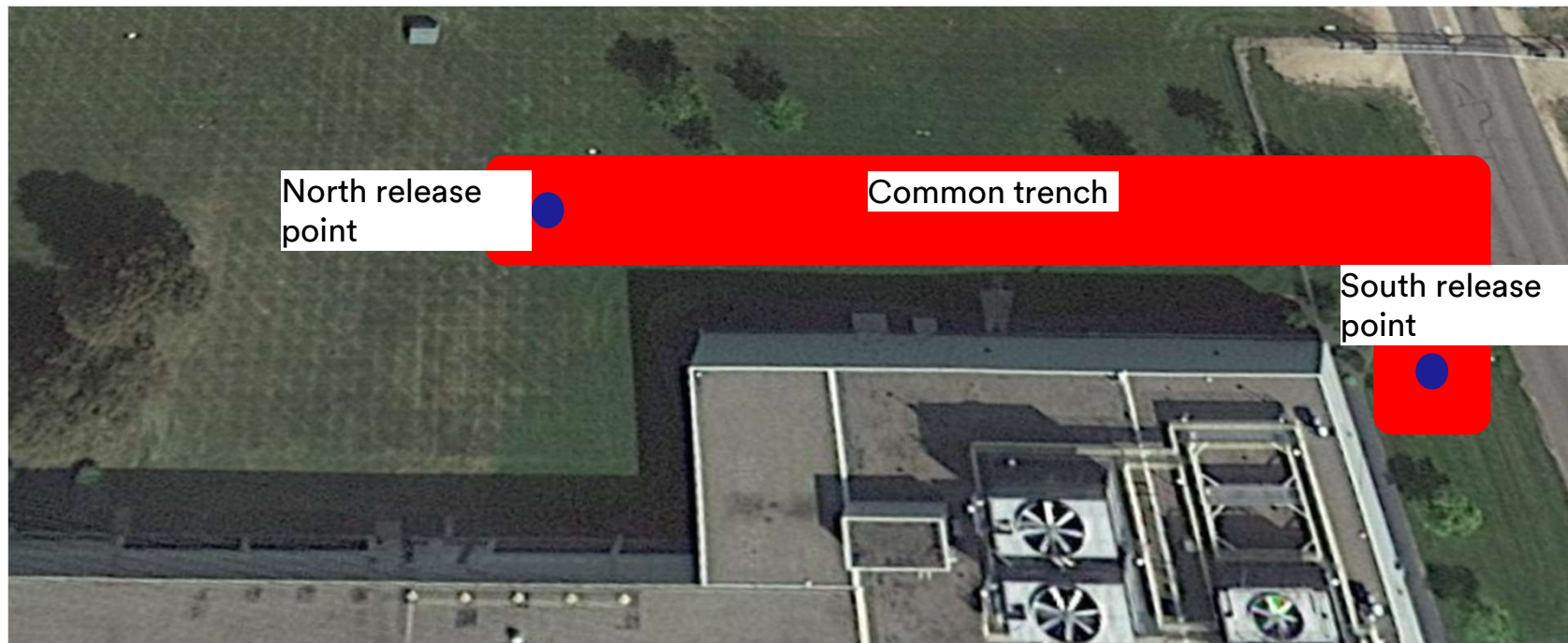


Zoomed Out



Zoomed In



From: Bradley Luedtke <bdluedtke@mmm.com>
Sent: Wednesday, May 18, 2022 10:11 AM
To: Schrank, Jayson S - DNR
Cc: Lijane Brunner
Subject: RE: 3M Menomonie Follow Up
Attachments: FC-787F Fire Foam.docx; Fire Foam FC600.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

**CAUTION: This email originated from outside the organization.
Do not click links or open attachments unless you recognize the sender and know the content is safe.**

Jayson,

We did not have any foaming as a result of this release, we are not 100% sure which material this may have been so I'm including two SDSs for materials it could have been, granted in a residual amount.



Brad Luedtke | Environmental Engineer
USAC EHS Operations
3M Menomonie | Menomonie, WI 54751 | United States
Office: +1 715 578 2318
bdluedtke@mmm.com



From: Schrank, Jayson S - DNR <jayson.schrank@wisconsin.gov>
Sent: Tuesday, May 17, 2022 1:33 PM
To: Bradley Luedtke <bdluedtke@mmm.com>
Cc: Lijane Brunner <lhbrunner@mmm.com>
Subject: [EXTERNAL] RE: 3M Menomonie Follow Up

Did this material contain AFFF foam and foam up once released? Do you have an SDS of the foam that is inside this system?

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Jayson Schrank

He/ Him/ His

715-410-8841

Jayson.Schrank@wisconsin.gov

From: Bradley Luedtke <bdluedtke@mmm.com>
Sent: Tuesday, May 17, 2022 12:53 PM
To: Schrank, Jayson S - DNR <jayson.schrank@wisconsin.gov>
Cc: LiJane Brunner <lhbrunner@mmm.com>
Subject: 3M Menomonie Follow Up

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Jayson,

Attached is an image of the plant where the fire main water release occurred yesterday.

Please contact me with any further questions



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bdluedtke@mmm.com





Bjorn Gangeness

To ● Bradley Luedtke

Cc ● Jim Kotsmith; ● Michael Falco

Retention Policy 90 Days (90 days)



This item is expired.

You forwarded this message on 9/27/2018 3:04 PM.

Reply

Re

Expires Expiration Suspended (10/25/2018)

Hi Brad –

The composition of FC-787F is below.

FC-787F 3M(TM) AR-AFFF 3% OR 6%

Product Constituent	CAS #
Water	7732-18-5
DIETHYLENE GLYCOL BUTYL ETHER	112-34-5
POLY(OXY-1,2-ETHANEDIYL), .ALPHA.-SULFO-.OMEGA.-HYDROXY-, c6-10-ALKYL ETHERS, SODIUM SALTS	73665-22-2
Sulfonamides, C4-8-alkane, perfluoro, N-[3- (dimethylamino)propyl], reaction products with acrylic acid	192662-29-6
Calcium Acetate	62-54-4
Xanthan Gum	11138-66-2
AMALEAN I	9049-76-7
1-OCTANESULFONIC ACID, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-HEPTADEC AFLUORO-, POTASSIUM SALT	2795-39-3
Triethanolamine	102-71-6



Bjorn Gangeness | Product Responsibility Liaison
3M Film & Materials Resource Division
3M Center, 236-1B-10 (B151) | Saint Paul, MN 55144
Office: 651 736 5799 | Fax: 651 737 9909
bgangeness@mmm.com

Bradley Luedtke

From: Bjorn Gangeness
Sent: Friday, July 27, 2018 11:19 AM
To: Bradley Luedtke
Cc: Jim Kotsmith; Gary Lewis; Michael Falco
Subject: RE: SDS for Lightwater FC787F

Hi Brad –

Here is the composition of FC-600.

Note that FC-600 differs from FC-600F (I have confused the two in the past). I'm providing FC-600 composition table below.

FC-600 Light Water TMATC TM AR-AFFF 3% OR 6%

Product Constituent	CAS #	Nominal Concentration
Water	7732-18-5	81 wt%
Diethylene glycol butyl ether	112-34-5	12 wt%
1-Propanaminium, N-(2-Hydroxyethyl)-N,N-Dimethyl-3-[(3-Sulfopropyl)](Tridecafluorohexyl)Sulfonyl]Amino]-, Hydroxide, Inner Salt	38850-58-7	2 wt%
1-Octanesulfonic Acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Heptadecafluoro-, Potassium Salt	2795-39-3	1 wt%
Sodium Decyl Sulfate	142-87-0	1 wt%
Sodium Octyl Sulfate	142-31-4	1 wt%
Xanthan Gum	11138-66-2	1 wt%
Acid Hydrolyzed Starch	68584-86-1	0.8 wt%



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Office: 651 736 5799 | Fax: 651 737 9909
bgangeness@mmm.com



From: Bradley Luedtke
Sent: Friday, July 27, 2018 10:39 AM
To: Michael Falco <mjfalco1@mmm.com>
Cc: Bjorn Gangeness <bgangeness@mmm.com>; Jim Kotsmith <jrkotsmith@mmm.com>; Gary Lewis <gclewis@mmm.com>
Subject: RE: SDS for Lightwater FC787F

Mike,

We have a second red label room that has a Lightwater system that contains FC-600, I'm assuming this is also a PFOS-based material? If this is the case can I get information on that as well?

Thank you



Brad Luedtke, CSP | Environmental Engineer
3M Menomonie, 1425 Stokke Pkwy | Menomonie, WI 54751
Office: 715-578-2318
bdluedtke@mmm.com | www.3M.com

From: Michael Falco
Sent: Friday, July 27, 2018 8:21 AM
To: Bradley Luedtke <bdluedtke@mmm.com>
Cc: Bjorn Gangeness <bgangeness@mmm.com>; Jim Kotsmith <jrkotsmith@mmm.com>
Subject: RE: SDS for Lightwater FC787F

Brad,

This is a long-phased out 3M product, so no SDS is available. By copy to Bjorn in my group, I ask him to provide you the composition for the FC-787F product. This is a PFOS-based product, so that should be considered in management options. Generally, 3M operations have been encouraged to replace PFOS and other C8-based foams. At a minimum, there should be good release controls.

You can consult me or Jim Kotsmith for any needed direction.

Best regards,
Mike



Michael J Falco
3M Film & Materials Resource Division
Sr. Technical Manager, Product EHS&R and Analytical Lab
3M Center, Building 236-1B-10
St. Paul, MN 55144-1000
+1.651.736.2908 (direct line)
+1.651.308.5836 (mobile)
E-mail; mjfalco1@mmm.com

From: Bradley Luedtke
Sent: Friday, July 27, 2018 7:39 AM
To: Michael Falco <mjfalco1@mmm.com>
Subject: SDS for Lightwater FC787F

Mike,

You may have seen the email you were copied on between myself and Jim Kotsmith. I'm looking for an SDS for Lightwater FC787F. Menomonie still has a tank full of it that is used on a system in one of our red label rooms.

Any help or further direction would be appreciated.

Thank you



Brad Luedtke, CSP | Environmental Engineer
3M Menomonie, 1425 Stokke Pkwy | Menomonie, WI 54751
Office: 715-578-2318
bdluedtke@mmm.com | www.3M.com

From: LiJane Brunner <lhbrunner@mmm.com>
Sent: Wednesday, May 18, 2022 11:21 AM
To: Schrank, Jayson S - DNR; Bradley Luedtke
Subject: RE: 3M Menomonie Follow Up

Follow Up Flag: Follow up
Flag Status: Flagged

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Hi Jayson,
Those materials are not and have not ever been manufactured at 3M Menomonie. This release was water with trace amounts of AFFF from our main fire suppression water loop.
Thanks,
LiJane



LiJane H. Brunner | EHS Manager
3M Menomonie
Pronouns: She/Her/Hers
1425 Stokke Pkwy | Menomonie WI 54751 | United States
Office: +1 715-578-2370 | Mobile: +1 307-757-7951
lhbrunner@mmm.com

This communication contains confidential information intended only for the addressee(s) named above and may contain information that is legally privileged.

From: Schrank, Jayson S - DNR <jayson.schrank@wisconsin.gov>
Sent: Wednesday, May 18, 2022 11:05 AM
To: Bradley Luedtke <bdluedtke@mmm.com>
Cc: LiJane Brunner <lhbrunner@mmm.com>
Subject: [EXTERNAL] RE: 3M Menomonie Follow Up

Is this a product line or part of the facility's fire suppression system?

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Jayson Schrank

He/ Him/ His
715-410-8841
Jayson.Schrank@wisconsin.gov

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Sent: Wednesday, May 18, 2022 10:11 AM
To: Schrank, Jayson S - DNR <jayson.schrank@wisconsin.gov>
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