

From: [Sumner, C. Mark](#)
To: [Bucell, Bridjette](#)
Cc: [Dolan, Judy](#); [Postelli, Brett](#)
Subject: RE: INITIAL / Palm Beach / Ethanol Release / DEM-Grant
Date: Tuesday, August 3, 2021 11:11:32 AM

The product was being transferred from tractor trailers to railroad tank cars when the transfer hose came out of the fill hatch on the rail car. It took several minutes to notice the issue and turn off the pumps. The incident resulted in an estimated 3500 gallons of ethanol spilled to the railway and adjacent soils. CBI has been hired to cleanup the impacted soils. Brett has the specific contacts for the parties. Please let me know if you have any specific questions.

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "Bucell, Bridjette" <Bridjette.Bucell@FloridaDEP.gov>
Date: 8/3/21 9:51 AM (GMT-06:00)
To: "Sumner, C. Mark" <Mark.C.Sumner@dep.state.fl.us>
Cc: "Dolan, Judy" <Judy.Dolan@FloridaDEP.gov>, "Postelli, Brett" <Brett.Postelli@FloridaDEP.gov>
Subject: RE: INITIAL / Palm Beach / Ethanol Release / DEM-Grant

Mark,

Can you share your notes and photos on this case, please? Judy is with the Tanks program and needs to follow up.

Thanks, Bridjette

From: Sumner, C. Mark <Mark.C.Sumner@dep.state.fl.us>
Sent: Thursday, July 29, 2021 1:44 PM
To: SWP@em.myflorida.com
Cc: Postelli, Brett <Brett.Postelli@FloridaDEP.gov>; Bucell, Bridjette <Bridjette.Bucell@FloridaDEP.gov>; Pajunen, Cole <Cole.Pajunen@FloridaDEP.gov>; Whibbs, Earl <Earl.Whibbs@FloridaDEP.gov>; Sumner, C. Mark <Mark.C.Sumner@dep.state.fl.us>; McElheney, MaryAlice <MaryAlice.McElheney@FloridaDEP.gov>; Fuller, James Michael <Michael.Fuller@dep.state.fl.us>; Graves, Samuel A <Samuel.A.Graves@FloridaDEP.gov>; Shulman, Zachary <Zachary.Shulman@FloridaDEP.gov>
Subject: RE: INITIAL / Palm Beach / Ethanol Release / DEM-Grant

Received
Thank you
Mark Sumner

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: SWP@em.myflorida.com

Date: 7/29/21 1:41 PM (GMT-05:00)

To: linda.mcwhorter@em.myflorida.com, John.Kohnke@myfloridacfo.com,
John.Gatlin@myfloridacfo.com, tjlyon@me.com, Kenneth.DeCastro@em.myflorida.com, EOC-COSLogistics@em.myflorida.com, Jeff.Swain@em.myflorida.com,
nicholas.mayernick@em.myflorida.com, sam.walters@em.myflorida.com,
amy.godsey@em.myflorida.com, axel.runtschke@em.myflorida.com,
phillip.thomas@em.myflorida.com, woodham.harvey@em.myflorida.com,
DLDOHDutyOfficers@flhealth.gov, Kevin.Guthrie@em.myflorida.com,
steven.hynes@em.myflorida.com, Samantha.Bequer@em.myflorida.com,
stephanie.stachowicz@em.myflorida.com, jim.roberts@em.myflorida.com,
ashley.davis@em.myflorida.com, ian.guidicelli@em.myflorida.com,
taylor.cheney@em.myflorida.com, "McElheney, MaryAlice"
<MaryAlice.McElheney@FloridaDEP.gov>, "Graves, Samuel A"
<Samuel.A.Graves@FloridaDEP.gov>, "Russell, Chris" <russell.chris@epa.gov>,
chris.stevens@em.myflorida.com, Eric.Lott@em.myflorida.com, Kevin.Hardy@em.myflorida.com,
swp@em.myflorida.com, SGDCEHPpreparedness@flhealth.gov, "Sumner, C. Mark"
<Mark.C.Sumner@dep.state.fl.us>, "Andreotta, Jason" <Jason.Andreotta@FloridaDEP.gov>,
"Moore, Jon W" <Jon.W.Moore@FloridaDEP.gov>, "Blandin, Norva"
<Norva.Blandin@FloridaDEP.gov>, "Shulman, Zachary" <Zachary.Shulman@FloridaDEP.gov>,
"Irwin, Alannah" <Alannah.Irwin@FloridaDEP.gov>, "Lopez, Nichole J"
<Nichole.J.Lopez@FloridaDEP.gov>, "Seidemann, Jena" <Jena.Seidemann@FloridaDEP.gov>,
"Pollard, Madison" <Madison.Pollard@FloridaDEP.gov>, "Self, Lisa M."
<Lisa.M.Self@FloridaDEP.gov>, "Bucell, Bridjette" <Bridjette.Bucell@FloridaDEP.gov>,
"Pajunen, Cole" <Cole.Pajunen@FloridaDEP.gov>, "Miller, Dee Ann"
<Dee.Ann.Miller@dep.state.fl.us>, "Castillo, Giselle" <Giselle.Castillo@FloridaDEP.gov>,
Depnews <Depnews@dep.state.fl.us>, Louis.Dixel@dot.state.fl.us, "Sinnott, Mollie"
<Mollie.Sinnott@dep.state.fl.us>, "Davila, Sirena" <Sirena.Davila@FloridaDEP.gov>, "Vindiola,
Brianna" <Brianna.Vindiola@FloridaDEP.gov>, "Watts, Denise"
<Denise.Watts@FloridaDEP.gov>, "Scott, Patrick" <Patrick.M.Scott@FloridaDEP.gov>,
"Kampian, Elena" <Elena.Kampian@FloridaDEP.gov>, "Mominey, Tyler"
<Tyler.Mominey@FloridaDEP.gov>, willie.bouie@em.myflorida.com,
dana.mcgeehan@em.myflorida.com, countywarningpoint@pbcgov.org, dofficer@pbcgov.org,
mblakene@pbcgov.org, SauersD@pbso.org

Subject: INITIAL / Palm Beach / Ethanol Release / DEM-Grant

█

**Florida Division of Emergency Management
State Watch Office Incident Report**

Attachments

Attachment: [NRC#1312141](#)

Main Information

Report #: 2021-4060

Status: Assigned

Reported to SWO on: 7/29/2021 13:12 ET

Severity: Local Incident

Description: Ethanol Release

This situation involves: Petroleum Spill

Affected Sectors: DEP District - Southeast, DEP OER West Palm - Day

Initial Report: PER NRC#1312141 VERBATIM: THE CALLER IS REPORTING A DISCHARGE OF ETHANOL ONTO THE GROUND FROM A TRANSFER PIPE INSIDE THE FACILITY. THE INCIDENT OCCURRED DUE TO AN IMPROPER ATTACHMENT OF THE LAND TO A RAIL CAR THAT WAS BEING LOADED ON THE FACILITY.

Injuries: No

Fatalities (Unconfirmed by State Medical Examiner): No

Environmental impact: Yes

DEP callback requested: Yes

Contact: Reporting Party

Incident Occurred: 7/28/2021 13:45 ET

Most Recent Update Date/Time: 07/29/2021-13:40 ET

Most Recent Update: N/A

Affected Counties: Palm Beach

Facility Name or Description:

Incident Location: *Address:* 4 E 11th Street *City:* Palm Beach

Map

Coordinates: *Lat:* 26.7717, *Long:* -80.05496



Contact Information

Reporting Party: *Name:* Matthew King, Tropical Shipping USA LLC */Call Back Number 1:* 561-882-2556 */Address:*

Responsible Party: Unknown

On-Scene Contact: Unknown

Petroleum Spill

Sub-Type: On Land

Situation: Past Report

Description: Petroleum Spill

Petroleum Type: Fuel

Name or Description: Ethanol

Source / Container: Other Container

Quantity released: 1,550 gallons

Released: Outside environment

Cause of release: Operator error

Storm drains affected: No

Waterways affected: No

Major roadways closed: No

Cleanup actions been taken: Yes

List cleanup actions: (Planned) Unknown

Person conducting cleanup: Cliff Berry

Notification 07/29/2021-13:41 / DEM-Grant

linda.mcwhorter@em.myflorida.com; John.Kohnke@myfloridacfo.com;
John.Gatlin@myfloridacfo.com; tilyon@me.com; Kenneth.DeCastro@em.myflorida.com; EOC-COSLogistics@em.myflorida.com; Jeff.Swain@em.myflorida.com;
nicholas.mayernick@em.myflorida.com; sam.walters@em.myflorida.com;
amy.godsey@em.myflorida.com; axel.runtschke@em.myflorida.com;
phillip.thomas@em.myflorida.com; woodham.harvey@em.myflorida.com;
DLDOHDutyOfficers@flhealth.gov; Kevin.Guthrie@em.myflorida.com;
steven.hynes@em.myflorida.com; Samantha.Bequer@em.myflorida.com;
stephanie.stachowicz@em.myflorida.com; jim.roberts@em.myflorida.com;
ashley.davis@em.myflorida.com; ian.guidicelli@em.myflorida.com;
taylor.cheney@em.myflorida.com; MaryAlice.McElheney@dep.state.fl.us;
Samuel.A.Graves@floridadep.gov; russell.chris@epa.gov; chris.stevens@em.myflorida.com;
Eric.Lott@em.myflorida.com; Kevin.Hardy@em.myflorida.com; swp@em.myflorida.com;
SGDCEHPreparedness@flhealth.gov; Mark.c.Sumner@floridadep.gov;
Jason.Andreotta@floridadep.gov; Jon.W.Moore@FloridaDEP.gov;
Norva.Blandin@floridadep.gov; Zachary.Shulman@floridadep.gov;
alannah.irwin@floridadep.gov; Nichole.J.Lopez@floridadep.gov;
Jena.Seidemann@floridadep.gov; Madison.Pollard@floridadep.gov; Lisa.M.Self@floridadep.gov;
Bridjette.Bucell@floridadep.gov; Cole.Pajunen@floridadep.gov; Dee.Ann.Miller@floridadep.gov;
Giselle.Castillo@floridadep.gov; DEPNews@floridadep.gov; Louis.Dixel@dot.state.fl.us;
mollie.sinnott@floridadep.gov; Sirena.Davila@FloridaDEP.gov;
Brianna.Vindiola@floridadep.gov; Denise.Watts@floridadep.gov; patrick.m.scott@Floridadep.gov;
elena.kampian@floridadep.gov; Tyler.Mominey@FloridaDEP.gov;
willie.bouie@em.myflorida.com; dana.mcgeehan@em.myflorida.com;
countywarningpoint@pbcgov.org; dofficer@pbcgov.org; mblakene@pbcgov.org;
SauersD@pbso.org

The State Watch Office values your feedback; please take a 1 minute [survey](#) about this notification.

Under Florida law, correspondence with the Florida Division of Emergency Management concerning agency business that is neither confidential nor exempt pursuant to Florida Statutes is a public record and will be made available to the public upon request.



Department of Environmental Protection

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DISCHARGE REPORT FORM

DEP Form: 62-761.900(1)

Form Title: Discharge Report Form

Effective Date: January 2017

Incorporated in Rule 62-761.405, F.A.C.

Complete all applicable blanks, and submit copies of any analytical or field test results confirming contamination to soils, surface water, or groundwater to the County via email or mail.

Facility ID Number (If Registered): _____ Date of Form Completion: _____ Date of Discovery: _____

Facility Name: _____ County: _____

Facility (Property) Owner: _____ Telephone Number: _____

Owner Mailing Address: _____

Location of Discharge (Facility Street Address): _____ Lat/Long: _____

Date of receipt of any test or analytical results confirming a discharge: _____ Estimated number of gallons discharged: _____

Discharge affected: (Check all that apply)

Soil	Groundwater	Soil water (water body name) _____
Drinking water well(s)	Shoreline	Other (specify) _____

Evidence of discharge: (Check all that apply)

Visual observation of sheen	Results or receipt of results of analytical tests	Stained soils
Visual observation of free product	Spill or vehicle overfill > 25 gallons to a pervious surface	Other (explain in comments)

Method of discovery and confirmation of discharge: (Check all that apply, see rule language explanation on instructions for this form)

Visual observation	Closure/Closure sampling assessment	Surface water analytical results
Groundwater analytical results	Soil analytical results	Other (specify) _____

Type of regulated substance discharged: (Check all that apply)

Gasoline	Jet fuel	Mineral acids (ASTs)	
Diesel	Used/waste oil	Ammonia compound	Chlorine compound
Heating oil	New motor/lube oil	Biofuel blends	
Kerosene	Pesticide	Unknown	
Aviation gas	Grade 5 & 6 residual oils	Other (specify) _____	
Hazardous substance (USTs) – write name or Chemical Abstract Service (CAS) #: _____			

Discharge originated from a: (Check all that apply)

Tank	Other secondary containment	Railroad tankcar
Piping	Fitting or pipe connection	Barge, tanker ship or other vessel
Spill bucket	Valve	Pipeline
Dispenser	Tank truck	Drum
Piping sump	Vehicle or customer vehicle	Unknown
Dispenser sump	Aircraft	Other (specify) _____

Cause of the discharge: (Check all that apply)

Spill	Material failure (crack, split, etc.)	Collision	Weather
Overfill	Material incompatibility	Vehicle accident	Human error
Corrosion	Improper installation	Fire/explosion	Unknown
Puncture	Loose connection	Vandalism	Other (specify) _____

Actions taken in response to the discharge:

Comments:

Agencies notified (as applicable):

Fire Department

County Program

District Office

State Watch Office
800-320-0519

National Response Center
800-424-8802

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Printed Name of Owner, Operator or Authorized Representative

Signature of Owner, Operator or Authorized Representative

Discharge Report Form Instructions

Oil spills to navigable waters of the United States, and releases of reportable quantities of CERCLA hazardous substances must be reported immediately to the National Response Center. Reports to the National Response Center of oil spills to navigable waters need not be repeated to any other federal, state, or local agency. Conditions at the site that do not involve spills to navigable waters of the United States, or CERCLA hazardous substances, that pose an immediate threat to human health or the environment must be reported to the State Watch Office or the Local Fire Department. Nevertheless, this form must be submitted for all discharges from facilities with storage tank systems, and sites in accordance with Chapters 62-761, 62-762, and 62-780, F.A.C.

State Watch Office
1-800-320-0519

National Response Center
1-800-424-8802

Local Fire Department
911

This form must be used to report any confirmed discharge, or of any one of the following, unless the discharge is from a previously known and reported discharge:

1. Results, or receipts of results, of analytical tests of surface water or groundwater indicating the presence of contamination, in excess of Department Cleanup Target Levels by:
 - a. Petroleum products' contaminants of concern listed in Table B as applicable in Chapter 62-780, F.A.C.; or
 - b. A regulated substance, other than petroleum products.
2. The presence of free product, a visible sheen, sludge, or emulsion of a regulated substance, or a regulated substance that is visibly observed in soil, on or in surface water, in groundwater samples, on basement floors, in open drainage ditches, in open excavations or trenches, in subsurface utility conduits or vaults, or in sewer lines at the facility;
3. A spill or overfill event of a regulated substance to soil or another pervious surface, equal to or exceeding 25 gallons, unless the regulated substance has a more stringent reporting requirement specified in 40 CFR Part 302, July 2002;
4. Results of analytical tests of soil indicating the presence of contamination, in excess of Department Cleanup Target Levels by:
 - a. Petroleum products' contaminants of concern listed in Table B as applicable in Chapter 62-780, F.A.C.;
 - b. A regulated substance, other than petroleum products.

According to Rules 62-761.440 and 62-762.441, F.A.C., a copy of this form must be delivered, emailed, or faxed to the County within 24 hours of the discovery of a discharge from a regulated storage tank system, or before the close of the County's next business day. If, however, this discovery is thought to be a previously reported discharge, the owner or operator will have 30 days to investigate and submit supporting documentation or this form. It is recommended that the original copy be sent in the mail. If the discharge occurs at a county-owned facility, the form must be delivered, emailed, or faxed to the local DEP District Office. Also, please remember to properly notify your insurance company of this reported discharge in accordance with the reporting requirements outlined in your insurance policy. This form must be maintained until storage tank system closure.



**Department of
Environmental Protection**

2600 Blair Stone Road ♦ Tallahassee, Florida 32399-2400

DISCHARGE REPORT FORM

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Effective Date: January 2017

Incorporated in Rule 62-761.405, F.A.C.

Complete all applicable blanks, and submit copies of any analytical or field test results confirming contamination to soils, surface water, or groundwater to the County via email or mail.

Facility ID Number (If Registered): _____ Date of Form Completion: 7/29/2021 Date of Discovery: 7/28/2021

Facility Name: Tropical Shipping - Port of Palm Beach County: Palm Beach

Facility (Property) Owner: Tropical Shipping USA LLC Telephone Number: 561-882-2556

Owner Mailing Address: 501 Ave P Riviera Beach, Fl 33404

Location of Discharge (Facility Street Address): 4 E 11th St. Riviera Beach, FL 33404 Lat/Long: 26.767740,-80.098533

Date of receipt of any test or analytical results confirming a discharge: _____ Estimated number of gallons discharged: 1550

Discharge affected: (Check all that apply)

<input checked="" type="checkbox"/> Soil	<input type="checkbox"/> Groundwater	<input type="checkbox"/> Soil water (water body name) _____
<input type="checkbox"/> Drinking water well(s)	<input type="checkbox"/> Shoreline	<input type="checkbox"/> Other (specify) _____

Evidence of discharge: (Check all that apply)

<input type="checkbox"/> Visual observation of sheen	<input type="checkbox"/> Results or receipt of results of analytical tests	<input type="checkbox"/> Stained soils
<input checked="" type="checkbox"/> Visual observation of free product	<input checked="" type="checkbox"/> Spill or vehicle overfill > 25 gallons to a pervious surface	<input type="checkbox"/> Other (explain in comments)

Method of discovery and confirmation of discharge: (Check all that apply, see rule language explanation on instructions for this form)

<input checked="" type="checkbox"/> Visual observation	<input type="checkbox"/> Closure/Closure sampling assessment	<input type="checkbox"/> Surface water analytical results
<input type="checkbox"/> Groundwater analytical results	<input type="checkbox"/> Soil analytical results	<input type="checkbox"/> Other (specify) _____

Type of regulated substance discharged: (Check all that apply)

<input type="checkbox"/> Gasoline	<input type="checkbox"/> Jet fuel	<input type="checkbox"/> Mineral acids (ASTs)	<input type="checkbox"/> Chlorine compound
<input type="checkbox"/> Diesel	<input type="checkbox"/> Used/waste oil	<input type="checkbox"/> Ammonia compound	
<input type="checkbox"/> Heating oil	<input type="checkbox"/> New motor/lube oil	<input type="checkbox"/> Biofuel blends	
<input type="checkbox"/> Kerosene	<input type="checkbox"/> Pesticide	<input type="checkbox"/> Unknown	
<input type="checkbox"/> Aviation gas	<input type="checkbox"/> Grade 5 & 6 residual oils	<input checked="" type="checkbox"/> Other (specify) Ethanol	

Hazardous substance (USTs) — write name or Chemical Abstract Service (CAS) #:

Discharge originated from a: (Check all that apply)

<input type="checkbox"/> Tank	<input type="checkbox"/> Other secondary containment	<input type="checkbox"/> Railroad tankcar
<input checked="" type="checkbox"/> Piping	<input type="checkbox"/> Fitting or pipe connection	<input type="checkbox"/> Barge, tanker ship or other vessel
<input type="checkbox"/> Spill bucket	<input type="checkbox"/> Valve	<input type="checkbox"/> Pipeline
<input type="checkbox"/> Dispenser	<input type="checkbox"/> Tank truck	<input type="checkbox"/> Drum
<input type="checkbox"/> Piping sump	<input type="checkbox"/> Vehicle or customer vehicle	<input type="checkbox"/> Unknown
<input type="checkbox"/> Dispenser sump	<input type="checkbox"/> Aircraft	<input type="checkbox"/> Other (specify) _____

Cause of the discharge: (Check all that apply)

<input type="checkbox"/> Spill	<input type="checkbox"/> Material failure (crack, split, etc.)	<input type="checkbox"/> Collision	<input type="checkbox"/> Weather
<input type="checkbox"/> Overfill	<input type="checkbox"/> Material incompatibility	<input type="checkbox"/> Vehicle accident	<input checked="" type="checkbox"/> Human error
<input type="checkbox"/> Corrosion	<input type="checkbox"/> Improper installation	<input type="checkbox"/> Fire/explosion	<input type="checkbox"/> Unknown
<input type="checkbox"/> Puncture	<input type="checkbox"/> Loose connection	<input type="checkbox"/> Vandalism	<input type="checkbox"/> Other (specify) _____

Actions taken in response to the discharge:
Cliff Berry Inc has been contracted to assess and remediate all affected areas.

Comments:

Agencies notified (as applicable):

800-320-0519 800-424-8802

To the best of my knowledge and belief, all information submitted on this form is true, accurate and complete.

Matthew S. King

Printed Name of Owner, Operator or Authorized Representative

Matthew King

Signature of Owner, Operator or Authorized Representative

Delight yourself in Polysar Poly-
mer Coated, Co-Treated or Coated LAMINATE Co-Coated Kites. E-mail: info@polysar.co.uk
or visit us on the Internet at www.polysar.co.uk
London, UK / contact: info@polysar.co.uk
Phone: +44 (0)20 7461 1111

Discharge Report Form Instructions

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***State Watch Office
1-800-320-0519***

***National Response Center
1-800-424-8802***

***Local Fire Department
911***

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 - a. Petroleum products' contaminants of concern listed in Table B as applicable in Chapter 62-780, F.A.C.; or
 - b. ~~A regulated substance, other than petroleum products.~~
2. The presence of free product, a visible sheen, sludge, or emulsion of a regulated substance, or a regulated substance that is visibly observed in soil, on or in surface water, in groundwater samples, on basement floors, in open drainage ditches, in open excavations or trenches, in subsurface utility conduits or vaults, or in sewer lines at the facility;
3. A spill or overfill event of a regulated substance to soil or another pervious surface, equal to or exceeding 25 gallons, unless the regulated substance has a more stringent reporting requirement specified in 40 CFR Part 302, July 2002;
4. Results of analytical tests of soil indicating the presence of contamination, in excess of Department Cleanup Target Levels by:
 - a. Petroleum products' contaminants of concern listed in Table B as applicable in Chapter 62-780, F.A.C.;
 - b. A regulated substance, other than petroleum products.

According to Rules 62-761.440 and 62-762.441, F.A.C., a copy of this form must be delivered, emailed, or faxed to the County within 24 hours of the discovery of a discharge from a regulated storage tank system, or before the close of the County's next business day. If, however, this discovery is thought to be a previously reported discharge, the owner or operator will have 30 days to investigate and submit supporting documentation or this form. It is recommended that the original copy be sent in the mail. If the discharge occurs at a county-owned facility, the form must be delivered, emailed, or faxed to the local DEP District Office. Also, please remember to properly notify your insurance company of this reported discharge in accordance with the reporting requirements outlined in your insurance policy. This form must be maintained until storage tank system closure.

From: [Irwin, Alannah](#)
To: [Stark, Justin](#); [Lancellotti, Romina](#)
Subject: FW: Tropical Shipping Rail Car Incident (Ethanol Release)
Date: Friday, August 13, 2021 12:38:57 PM
Attachments: [072921 DRF.pdf](#)
[FW Tropical Shipping.msg](#)
[RE INITIAL Palm Beach Ethanol Release DEM-Grant.msg](#)
[Rum Transfer 7.29.21 Discharge Report Form DRF.pdf](#)
[20210729_145826_resized.jpg](#)
[20210729_145904_resized.jpg](#)
[20210729_145909_resized.jpg](#)
[20210729_145940_resized.jpg](#)

FYI – will keep you updated once I talk to Brett

From: Postelli, Brett <Brett.Postelli@FloridaDEP.gov>
Sent: Friday, August 13, 2021 12:06 PM
To: Bucell, Bridjette <Bridjette.Bucell@FloridaDEP.gov>; Irwin, Alannah <Alannah.Irwin@FloridaDEP.gov>
Subject: Tropical Shipping Rail Car Incident (Ethanol Release)

Bridjette/Alannah,

Below is the email I received today regarding the rail car incident at Tropical Shipping at the West Palm Port two weeks ago. John from CBI was supposed to provide me this information this past Monday as a preliminary plan before they executed the cleanup. I called John on Tuesday to follow up and he stated the job was completed on Monday 8/9/2021. I reminded him he was supposed to provide me the plan before work started, that obviously didn't happen. I told him on Tuesday to provide me a written statement of what methods were used and what approvals the port engineer granted pertaining to the railroad tracks. I called John multiple times this past week requesting this information and never received it. This morning I contacted Tropical Shipping telling them I made numerous request for information from their contractor and was not getting the information in a timely matter and told Tropical Shipping (Matt King) that I was going to turn this over to Hazardous Waste/Enforcement if I didn't get the information today (8/13/2021).

Matt King contacted CBI and ordered them to provide us with the information you see below. Now that we have the information on what methods were performed and parties involved, how do we proceed moving forward? I also attached other related documentation and photos pertaining to this incident.

EMAIL RECEIVED ON:
August 13, 2021

Good morning Mr. Postelli,

Per our conversation we performed the source removal on the rail spur in the Port of Palm Beach. We excavated per the restrictions provided by the rail engineer Ron Coddington, allowing excavation based on a 1 to 1 step off format. Ron is the Port Engineer his office is @ One East 11th Street, Suite 600, Riviera Beach, FL 33404. His email is rcoddington@portofpalmbeach.com and office phone

#561-383-4133 or cell #561-253-4813. CBI called in line location, mobilized equipment and contracted Gallaher Bassett for OVA screening as originally proposed. Upon arrival CBI scraped the surface adjacent to the rail road ties extending to 1 foot below ground surface after the first foot and increased every foot there after leading to clean wall and / or the step off for the adjacent track to the south. Soil was tested on site utilizing a Photo –Ionization detector operated by Sr. Environmental Field Scientist with Gallagher Bassett. Gallagher Bassett will provide a comprehensive source removal report documenting OVA Tables and photo documentation. The excavation was left open overnight to source an approved back fill.

Respectfully,

John Katzor



John Katzor

Facility Manager - Fort Pierce

Cliff Berry, Inc.

Fort Pierce, FL 34947

JKatzor@cliffberryinc.com | (772) 466-4063 Office Ext 3003 | (772) 466-3507 Fax | (772) 201-4407 Mobile | www.cliffberryinc.com

24 Hour Emergency Response (800) 899-7745



Brett Postelli

Environmental Specialist III

Florida Department of Environmental Protection

Southeast District – West Palm Beach

3301 Gun Club Road, MSC 7210-1

West Palm Beach, FL 33406

Brett.Postelli@floridadep.gov

Office: (561) 681-6767

Mobile: (954) 658-8020

State Watch Office: (24/7-ER): 800-320-0519

National Response Center: (24/7-ER): 800-424-8802

<https://floridadep.gov/OER>

From: [John Katzor](#)
To: [Postelli, Brett](#)
Subject: FW: Tropical Shipping
Date: Friday, August 13, 2021 10:39:53 AM
Attachments: [image002.jpg](#)

August 13, 2021

Good morning Mr. Postelli,

Per our conversation we preformed the source removal on the rail spur in the Port of Palm Beach. We excavated per the restrictions provided by the rail engineer Ron Coddington, allowing excavation based on a 1 to 1 step off format. Ron is the Port Engineer his office is @ One East 11th Street, Suite 600, Riviera Beach, FL 33404. His email is rcoddington@portofpalmbeach.com and office phone #561-383-4133 or cell #561-253-4813. CBI called in line location, mobilized equipment and contracted Gallaher Bassett for OVA screening as originally proposed. Upon arrival CBI scraped the surface adjacent to the rail road ties extending to 1 foot below ground surface after the first foot and increased every foot there after leading to clean wall and / or the step off for the adjacent track to the south. Soil was tested on site utilizing a Photo –Ionization detector operated by Sr. Environmental Field Scientist with Gallagher Bassett. Gallagher Bassett will provide a comprehensive source removal report documenting OVA Tables and photo documentation. The excavation was left open overnight to source an approved back fill.

Respectfully,

John Katzor



John Katzor

Facility Manager - Fort Pierce

Cliff Berry, Inc.

Fort Pierce, FL 34947

JKatzor@cliffberryinc.com | (772) 466-4063 Office Ext 3003 | (772) 466-3507 Fax | (772) 201-4407 Mobile | www.cliffberryinc.com

24 Hour Emergency Response (800) 899-7745

This message may contain confidential and privileged information. If it has been sent to you in error, please reply to advise the sender of the error, then immediately delete this message.

John Katzor | Facility Manager - Fort Pierce | Cliff Berry, Inc. | JKatzor@cliffberryinc.com | (772) 466-4063 Ext 3003



FOR CHEMICAL EMERGENCY
CALL 800-424-9300

PLANT SYSTEM CARBONATE 8700
MAY-10-2000



SEGU 8000536
22T6 T11 L4BN

MGW 36000 kg 79365 lb
Tare 3400 kg 7496 lb

Seaco SRL
Bridgetown, Barbados
MPGM ON UIC RAILWAYS: 34C00KG

ETHANOL L



TROPICAL

NT TANK

SEGU 8106410
22K2 T11 L4BN

MGW 36000 kg 79365 lb
TARE 3400 kg 7496 lb
Seaco SRL
Bridgetown, Barbados



ETHANOL

SEGU 8000536
22T6 T11 L4BN

MGW 36000 kg 79365 lb
TARE 3400 kg 7496 lb
Seaco SRL
Bridgetown, Barbados



ETHANOL

SEGU 8000536
22K2 T11 L4BN

MGW 36000 kg 79365 lb
TARE 3400 kg 7496 lb
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ETHANOL

SEGU 8000536
22K2 T11 L4BN

MGW 36000 kg 79365 lb
TARE 3400 kg 7496 lb
Seaco SRL
Bridgetown, Barbados



ETHANOL

TTRZ 12005

TTRZ 120321-0
279746A

TTRZ 120335-4
2797591

TROPICAL

TROPICAL



einke





ABSOLUTELY
NO
SHOWERING

DOT 11A100W1

1170
3

2 INCH HF COMP SHOES



From: [Postelli, Brett](#)
To: [Lancellotti, Romina](#)
Subject: FW: Ethanol Safety Data Sheet
Date: Tuesday, August 31, 2021 10:05:49 AM
Attachments: [image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[hazardous_documentation_40937803.pdf](#)

Romina,
Here is the SDS and the email below from Matt.



Brett Postelli

Environmental Specialist III

Florida Department of Environmental Protection
Southeast District – West Palm Beach
3301 Gun Club Road, MSC 7210-1
West Palm Beach, FL 33406
Brett.Postelli@floridadep.gov
Office: (561) 681-6767
Mobile: (954) 658-8020

State Watch Office: (24/7-ER): 800-320-0519

National Response Center: (24/7-ER): 800-424-8802
<https://floridadep.gov/OER>

From: Matthew King <mking@tropical.com>
Sent: Tuesday, August 24, 2021 10:46 AM
To: Postelli, Brett <Brett.Postelli@FloridaDEP.gov>
Subject: RE: Ethanol Safety Data Sheet

Brett,

Thanks for reaching out to me for this. Attached please find the product's SDS.

Because there was so much pressure pushing the ethanol through the flexi hose we believe most of the product was driven adjacent to the rail car. With this said it was observed that product still did accumulate on top of the tracks by an employee. I would assume between 100-200 gallons poured onto the railroad tracks itself. The remaining 1300-1400 gallons were spilled onto the ground adjacent to the railcar. The soil adjacent to the railroad tracks were excavated until no further traces of ethanol could be found. Since ethanol has such a low flashpoint being extremely volatile we believe the majority of the ethanol evaporated. No soil was removed from the tracks itself due to it being critical infrastructure. I hope this information helps. Let me know if you have further questions or if I may be of assistance in any way.

Matthew S. King CSP, SMS I Health, Safety & Environmental Manager I Tropical Shipping I 501
Avenue P I Riviera Beach, FL 33404
P: (561) 882-2556 I email: mking@tropical.com I www.tropical.com

COMING SOON!



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From: Postelli, Brett <Brett.Postelli@FloridaDEP.gov>

Sent: Monday, August 23, 2021 3:09 PM

To: Matthew King <mking@tropical.com>

Subject: Ethanol Safety Data Sheet

Notice: This email originated from outside the TSC network.

Hi Matthew,

Hope all is well. I Just got out of a meeting reviewing the incident with the railcar involving the 1500 gallon food grade ethanol. We are looking to see what further actions may need to be done if any. If you could provide me the safety data sheet for that particular material and with a rough estimate of how much you believe was released under the railcar onto the tracks and how much was recovered, it would be much appreciated and will help us determine if further actions are needed.

Brett Postelli

Environmental Specialist III

Florida Department of Environmental Protection

Southeast District – West Palm Beach

3301 Gun Club Road, MSC 7210-1

West Palm Beach, FL 33406

Brett.Postelli@floridadep.gov

Office: (561) 681-6767



Mobile: (954) 658-8020

State Watch Office: (24/7-ER): 800-320-0519

National Response Center: (24/7-ER): 800-424-8802

<https://floridadep.gov/OER>



Safety Data Sheet

*Beam***Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product identifier**

Product Name • **Distilled Spirits Greater than 70 Alcohol by Volume (Greater than 140 Proof)**

Synonyms • Alcohol; Ethyl alcohol; Grain alcohol; Molasses alcohol; Spirit

CAS Number • 64-17-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) • Alcoholic Beverages

1.3 Details of the supplier of the safety data sheet

Manufacturer • Beam, Inc.
510 Lake Cook Rd.
Deerfield, IL 60015-4964
United States
WWW.BEAMGLOBAL.COM
Rick.price@beamglobal.com

1.4 Emergency telephone number

Manufacturer • 800-424-9300 - CHEMTREC - DOMESTIC

Manufacturer (Transportation) • 703-527-3887 - CHEMTREC - INTERNATIONAL

Section 2: Hazards Identification**EU/EEC**

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP • Flammable Liquids 3 - H226

DSD/DPD • Flammable
R10

2.2 Label Elements

CLP

WARNING

Hazard statements • H226 - Flammable liquid and vapour

Precautionary statements

Prevention • P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P235 - Keep cool.

P240 - Ground and/or bond container and receiving equipment.
 P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P280 - Wear protective gloves and eye/face protection - Splash Goggles, .

Response • P370+P378 - In case of fire: Use appropriate media for extinction.
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Storage/Disposal • P403+P235 - Store in a well-ventilated place. Keep cool.
 P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD

Risk phrases • R10 - Flammable.

Safety phrases • S7 - Keep container tightly closed
 S16 - Keep away from sources of ignition - No Smoking.

2.3 Other Hazards

CLP • According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

DSD/DPD • This product is considered dangerous according to the European Directive 67/548/EEC.

UN GHS

According to Third Revised Edition

2.1 Classification of the substance or mixture

UN GHS • Flammable Liquids 3 - H226
 Skin Irritation 2 - H315
 Eye Irritation 2A - H319
 Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
 Reproductive Toxicity 1A - H360
 Germ Cell Mutagenicity 1B - H340

2.2 Label elements

UN GHS

DANGER



Hazard statements • H225 - Highly flammable liquid and vapour
 H319 - Causes serious eye irritation
 H315 - Causes skin irritation
 H336 - May cause drowsiness or dizziness
 H340 - May cause genetic defects.
 H360 - May damage fertility or the unborn child.

Precautionary statements

Prevention • P201 - Obtain special instructions before use.
 P202 - Do not handle until all safety precautions have been read and understood.
 P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
 P233 - Keep container tightly closed.
 P235 - Keep cool.
 P240 - Ground and/or bond container and receiving equipment.
 P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
 P242 - Use only non-sparking tools.
 P243 - Take precautionary measures against static discharge.
 P261 - Avoid breathing mist, vapours or spray.

- P264 - Wash thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 - Wear protective gloves and eye/face protection - Splash Goggles, .
- P281 - Use personal protective equipment as required.

- Response** • P370+P378 - In case of fire: Use appropriate media for extinction.
- P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P352 - Wash with plenty of soap and water.
- P332+P313 - If skin irritation occurs: Get medical advice/attention.
- P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 - If eye irritation persists: Get medical advice/attention.
- P308+P313 - IF exposed or concerned: Get medical advice/attention.
- P321 - Specific treatment, see supplemental first aid information.

- Storage/Disposal** • P403+P235 - Store in a well-ventilated place. Keep cool.
- P405 - Store locked up.
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

2.3 Other hazards

UN GHS

- According to the Globally Harmonized System for Classification and Labeling (GHS) this product is considered hazardous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

- OSHA HCS 1994** • Flammable Liquid
Flammable/Combustible Class IC
Irritant

2.2 Label elements

- OSHA HCS 1994** • Not required

2.3 Other hazards

- OSHA HCS 1994** • Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

- WHMIS** • Flammable Liquids - B2
Other Toxic Effects - D2B

2.2 Label elements

WHMIS

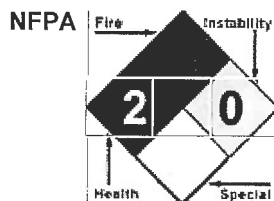


- Flammable Liquids - B2
Other Toxic Effects - D2B

2.3 Other hazards

- WHMIS** • In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

2.4 Other information



See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Ethanol	CAS:64-17-5 EC Number:200-578-6 UN:UN1170	Greater than 70%	Ingestion-Oral-Rat LD50 • 7060 mg/kg Inhalation-Rat LC50 • 124700 mg/m ³ 4 Hour(s)	UN GHS: Flam. Liq. 2; Skin Irrit. 2; Eye Irrit. 2A; Repr. 1A; Muta. 1B; STOT SE 3: Narc. EU DSD/DPD: Annex I - F; R11 EU CLP: Annex VI - Flam. Liq. 2; H225	NDA

3.2 Mixtures

- Material does not meet the criteria of a mixture in accordance with Regulation (EC) No 1272/2008.

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- Inhalation** • Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
- Skin** • IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
- Eye** • In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.
- Ingestion** • Exposure via ingestion is not anticipated in a workplace setting. If severe exposure does occur, induce vomiting and get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to Physician** • All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

See Section 2 for Potential Health Effects.

Section 5 - Firefighting Measures

5.1 Extinguishing media

- Suitable Extinguishing Media** • Powder, alcohol-resistant foam, water in large amounts, carbon dioxide.
- Unsuitable** • No data available.

Extinguishing Media**5.2 Special hazards arising from the substance or mixture****Unusual Fire and Explosion Hazards**

- **HIGHLY FLAMMABLE:** Will be easily ignited by heat, sparks or flames. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Vapors may form explosive mixtures with air. Containers may explode when heated.

Hazardous Combustion • No data available.

Products**5.3 Advice for firefighters**

- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA).

Section 6 - Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures**

Personal Precautions • Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas.

Emergency Procedures • As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Stay upwind. Keep out of low areas. Keep unauthorized personnel away. Ventilate closed spaces before entering.

6.2 Environmental precautions

- No special environmental precautions expected to be necessary.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures • Stop leak if you can do it without risk.
SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal.
LARGE SPILLS: Dike far ahead of spill for later disposal.
Use clean non-sparking tools to collect absorbed material.
A vapor suppressing foam may be used to reduce vapors.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage**7.1 Precautions for safe handling**

Handling • Keep away from heat and ignition sources – No Smoking. Use only with adequate ventilation. Avoid eye and skin contact. Avoid inhalation of vapors in excess of exposure limit values.

7.2 Conditions for safe storage, including any incompatibilities

Storage • Store in a cool, dry, well-ventilated place. Keep container closed when not in use. Store locked up.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Australia	Canada Ontario	Canada Quebec	Mexico
Ethanol (64-17-5)	TWAs	Not established	1000 ppm TWA; 1880 mg/m3 TWA	1000 ppm TWAEV; 1900 mg/m3 TWAEV	1000 ppm TWAEV; 1880 mg/m3 TWAEV	1000 ppm TWA; 1900 mg/m3 TWA
	STELs	1000 ppm STEL	Not established	Not established	Not established	Not established
Exposure Limits/Guidelines (Con't.)						
	Result	NIOSH		OSHA		
Ethanol (64-17-5)	TWAs	1000 ppm TWA; 1900 mg/m3 TWA		1000 ppm TWA; 1900 mg/m3 TWA		

8.2 Exposure controls

Engineering

Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Pictograms



Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear splash goggles.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

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9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Free-flowing liquid with characteristic odor and varying color.
Color	Various	Odor	No data available.
Taste	No data available.	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Not relevant	Physical and Chemical Properties	Not relevant
General Properties			
Boiling Point	173 F(78.3333 C)	Melting Point	-117 to -113.9 C(-178.6 to -173.02 F)
Decomposition Temperature	Data lacking	Heat of Decomposition	Not relevant
pH	Data lacking	Specific Gravity/Relative Density	0.79 Water=1
Density	Data lacking	Bulk Density	Data lacking
Water Solubility	100 %	Solvent Solubility	Not relevant
Viscosity	Data lacking	Explosive Properties	Not relevant
Oxidizing Properties:	Not relevant		
Volatility			
Vapor Pressure	43.6 mmHg (torr) @ 20 C(68 F)	Vapor Density	1.6 Air=1

Evaporation Rate	3 n-Butyl Acetate = 1	VOC (Wt.)	Not relevant
VOC (Vol.)	Not relevant	Volatiles (Wt.)	49.6 %
Volatiles (Vol.)	Not relevant		
Flammability			
Flash Point	73 to 141 F(22.7778 to 60.5556 C) CC (Closed Cup)	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Self-Accelerating Decomposition Temperature (SADT)	Not relevant	Heat of Combustion (ΔH_c)	Data lacking
Burning Time	Not relevant	Flame Duration	Data lacking
Flame Height	Data lacking	Flame Extension	Not relevant
Ignition Distance	Not relevant	Flammability (solid, gas)	Not relevant
Environmental			
Half-Life	Data lacking	Octanol/Water Partition coefficient	Data lacking
Coefficient of water/oil distribution	Data lacking	Bioaccumulation Factor	Data lacking
Bioconcentration Factor	Data lacking	Biochemical Oxygen Demand BOD/BOD5	Data lacking
Chemical Oxygen Demand	Data lacking	Persistence	Data lacking
Degradation	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Heat, sparks, open flame, or other sources of ignition. Sensitive to mechanical impact and static discharge.

10.5 Incompatible materials

- Reacts slowly with calcium hypochlorite, silver oxide and ammonia, causing fire and explosion hazard. Oxidizing materials can cause vigorous reaction.

10.6 Hazardous decomposition products

- None. However, as with any other organic material, combustion will produce carbon dioxide and possible carbon monoxide.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Ethanol (Greater than 70%)	64-17-5	Acute Toxicity: ihl-rat LC50:124700 mg/m3/4H; Irritation: eye-rbt 500 mg SEV; skn-rbt 20 mg/24H MOD; Mutagen: dlt-mus-ori 3720 mg/kg/3D; spm-mus-ori 1500 mg/kg/50D
GHS Properties		Classification
Acute toxicity		EU/CLP•Classification criteria not met UN GHS•Classification criteria not met

Aspiration Hazard	EU/CLP•Classification criteria not met UN GHS•Classification criteria not met
Carcinogenicity	EU/CLP•Classification criteria not met UN GHS•Classification criteria not met
Germ Cell Mutagenicity	EU/CLP•Not included with classifications on Annex VI UN GHS•Germ Cell Mutagenicity 1B
Skin corrosion/Irritation	EU/CLP•Not included with classifications on Annex VI UN GHS•Skin Irritation 2
Skin sensitization	EU/CLP•Classification criteria not met UN GHS•Classification criteria not met
STOT-RE	EU/CLP•Classification criteria not met UN GHS•Classification criteria not met
STOT-SE	EU/CLP•Classification criteria not met - Not included with classifications on Annex VI UN GHS•Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction	EU/CLP•Not included with classifications on Annex VI UN GHS•Toxic to Reproduction 1A
Respiratory sensitization	EU/CLP•Classification criteria not met UN GHS•Classification criteria not met
Serious eye damage/Irritation	EU/CLP•Not included with classifications on Annex VI UN GHS•Eye Irritation 2A

Target Organs • Central Nervous System (CNS), Liver

Route(s) of entry/exposure • Inhalation, Skin, Eye, Ingestion

Potential Health Effects

Inhalation

Acute (Immediate) • May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Chronic (Delayed) • No data available.

Skin

Acute (Immediate) • Causes skin irritation.

Chronic (Delayed) • No data available.

Eye

Acute (Immediate) • Causes serious eye irritation.

Chronic (Delayed) • No data available.

Ingestion

Acute (Immediate) • May cause irritation if swallowed.

Chronic (Delayed) • No data available.

Other

Chronic (Delayed) • Damage to liver or other organs and other effects are reported from chronic exposure.

Mutagenic Effects • Ethanol may cause mutagenic effects based on data from both humans and animals.

Reproductive Effects • Ethanol has been shown to produce fetotoxicity in the embryo or fetus of laboratory animals. Prenatal exposure to ethanol is associated with a distinct pattern of congenital malformations known collectively as "fetal alcohol syndrome".

Section 12 - Ecological Information

12.1 Toxicity

Distilled Spirits Greater than 24 and Less than or Equal to 70 Alcohol by Volume (Greater than 48 or Less than or Equal to 140 Proof)				64-17-5		
Dosage	Species	Duration	Results	Exposure	Comments	

				Conditions	
12900 to 15300 mg/L	Fish: Rainbow Trout	96 Hour(s)	LC50	Flow-through @ 24-24.3°C	NDA

12.2 Persistence and degradability

- When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to adsorb to sediment or bioconcentrate in fish.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

- Product waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
- Packaging waste** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	UN1170	Ethanol solutions	3	III	NDA
	UN3065	Alcoholic beverages	3	III	NDA
TDG	UN1170	ETHANOL SOLUTION more than 70 per cent ethanol, by volume	3	III	NDA
	UN3065	ALCOHOLIC BEVERAGES, more than 70 per cent alcohol, by volume	3	III	NDA
IMO/IMDG	UN1170	ETHANOL SOLUTION	3	III	NDA
	UN3065	ALCOHOLIC BEVERAGES	3	III	NDA
IATA/ICAO	UN1170	Ethanol solution	3	III	NDA
	UN3065	Alcoholic beverages	3	III	NDA

14.6 Special precautions for user

- No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

State Right To Know				
Component	CAS	MA	NJ	PA
Water	7732-18-5	No	No	No
Ethanol	64-17-5	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Water	7732-18-5	Yes	No	Yes	No	Yes
Ethanol	64-17-5	Yes	No	Yes	No	Yes

Australia

Labor

Australia - Hazardous Substances - Substances Requiring Health Surveillance

•Ethanol 64-17-5 Greater than 70% Not Listed

•Water 7732-18-5 Less than 30% Not Listed

Australia - High Volume Industrial Chemicals List

•Ethanol 64-17-5 Greater than 70%

•Water 7732-18-5 Less than 30% Not Listed

Australia - List of Designated Hazardous Substances - Classification

•Ethanol 64-17-5 Greater than 70% F R11

•Water 7732-18-5 Less than 30% Not Listed

Environment

Australia - National Pollutant Inventory (NPI) Substance List

•Ethanol 64-17-5 Greater than 70% 24% TO 70% 10 tonnes/year Threshold category 1

•Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

Australia - Ozone Protection Act - Scheduled Substances

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed

•Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

Australia - Priority Existing Chemical Program

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed

•Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances

•Ethanol 64-17-5 Greater than 70% 24% TO 70% B2, D2B

•Water 7732-18-5 Less than 30% 30% TO 76% Uncontrolled product according to WHMIS classification criteria

Canada - WHMIS - Ingredient Disclosure List

•Ethanol 64-17-5 Greater than 70% 24% TO 70% 0.1 %

•Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

Environment

Canada - CEPA - Priority Substances List

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed

•Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

•Ethanol 64-17-5 Greater than 70% 24% TO 70% F; R11

•Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed

•Water 7732-18-5 Less than 30% 30% TO 76% Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling
 •Ethanol 64-17-5 Greater than 70% 24% TO 70% F R:11 S:(2)-7-16
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations
 •Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases
 •Ethanol 64-17-5 Greater than 70% 24% TO 70% S:(2)-7-16
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

Mexico

Other

Mexico - Hazard Classifications

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Class = 3
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

Mexico - Regulated Substances

•Ethanol 64-17-5 Greater than 70% 24% TO 70% UN1170
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing

•Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
 •Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

- Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
- Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

- Ethanol 64-17-5 Greater than 70% 24% TO 70% developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)
- Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

- Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
- Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

- Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
- Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
- Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
- Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

United States - Pennsylvania**Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

- Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
- Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

- Ethanol 64-17-5 Greater than 70% 24% TO 70% Not Listed
- Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

United States - Rhode Island**Labor****U.S. - Rhode Island - Hazardous Substance List**

- Ethanol 64-17-5 Greater than 70% 24% TO 70% Toxic; Flammable
- Water 7732-18-5 Less than 30% 30% TO 76% Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

Section 16 - Other Information**Relevant Phrases (code & full text)**

- H225 - Highly flammable liquid and vapour
- R11 - Highly flammable.

Last Revision Date

- 29/June/2012

Preparation Date

- 29/June/2012

Disclaimer/Statement of Liability

- The information contained herein is furnished without warranty of any kind and this MSDS does not endorse or accept reports of risks or effects of consumption or exposure to products containing ethyl alcohol. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

Key to abbreviations

NDA = No Data Available
