

TOWN OF CORTLANDVILLE
3577 TERRACE ROAD
CORTLAND, NEW YORK 13045-3552

AQUIFER PROTECTION DISTRICT SPECIAL PERMIT

APPLICANT

Fee Paid _____

Name Cortland Travel Holding Inc.

Phone 570.291.4260

Address 2227 Scranton Carbondale Highway, Scranton, PA 18508

PROPERTY OWNER

Name Cortland Travel Holding Inc.

Phone 570.291.4260

Address 2227 Scranton Carbondale Highway, Scranton, PA 18508

If applicant is a Corporation, list name, address, phone and fax numbers of all corporate officers and directors on reverse side.

PROPERTY INFORMATION

Location of property 3742 Route 11

Tax Map No. of Parcel 97.02-01-24.000

PROPERTY ACQUIRED ON, OR PENDING DATE OF AQUISION 12/26/2018

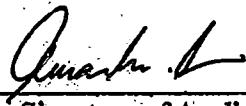
IS PROPERTY IN FLOOD PLAIN? YES NO

AQUIFER PROTECTION AREA _____

ZONING DISTRICT B3

Information to be provided as per Article and Section 178-47 of the Town of Cortlandville Zoning Law.

DATE OF APPLICATION Sept 18, 2020


Signature of Applicant

Zoning Officer

Supervisor

PERMIT GRANTED _____

PERMIT DENIED _____

Name Amarbir Singh Title Secretary

Address 2227 Scranton Carbondale Highway Phone 570.291.4260

Scranton, PA 18508 Fax 570.291.4261

Name Aminderjeet Aulakh Title President

Address 2227 Scranton Carbondale Highway Phone 570.291.4260

Scranton, PA 18508 Fax 570.291.4261

Name _____ Title _____

Address _____ Phone _____

Fax _____

Name _____ Title _____

Address _____ Phone _____

Fax _____

Name _____ Title _____

Address _____ Phone _____

Fax _____

Name _____ Title _____

Address _____ Phone _____

Fax _____

Name _____ Title _____

Address _____ Phone _____

Fax _____

COMMENTS: _____

GENERAL MUNICIPAL LAW

Zoning Referral Form

Conditional Permits, Special Permits, Site Plan Reviews & Variances

Director
CORTLAND COUNTY PLANNING DEPARTMENT
37 Church St.
Cortland, NY 13045-2838
Telephone: (607) 753-5043
Fax: (607) 753-5150

GML No. 097 02 01 24.000
(Tax Map Number)

Date: _____

Submitting Officer: Bruce Weber, Planning & Zoning Officer

Municipality: Town of Cortlandville

Mailing Address: 3577 Terrace Road, Cortland, NY 13045

Phone Number: (607) 756-7052

Fax Number: (607) 758-7922

Type of Referral

The applicant request the following:

Variance: _____ Bulk – Article _____ Section _____
_____ Use – Article _____ Section _____

Special Permit: Article _____ Section 178.36.8 (A)(2)

Conditional Permit: Article _____ Section _____

Site Plan Review: Article _____ Section 178.36.8 (A)

Reason(s) for request: installation of underground storage tank to hold non-petroleum product
at 3742 Route 11, Town of Cortlandville, Tax Map No. 97.02-01-24.000

Is the above action a Type 1 _____, Type 2 _____, or **unlisted action** under the State Environmental Quality Review Act? Attach required environmental assessment forms for Type I and unlisted actions.

The following information is required for your application to be complete:

1. Name of petitioner: Cortland Travel Holding Inc.

Owners name (if different): same

Date of acquisition: 12/26/2018

Address: 2227 Scranton Carbondale Highway, Scranton, PA 18508

State: PA Zip: 18508

Phone Number: 570.291.4260 Fax Number: 570.291.4261

2. A Site Plan Map showing:

- a. Scale (1 inch equals 20 feet if site is less than 1 acre or an agreed upon scale for a site larger than 1 acre)
- b. North Arrow
- c. Physical Characteristics of Site, existing and proposed (Topography, Water and Vegetation)
- d. Layout Plan Showing buildings, parking and available utilities
- e. Surface and Subsurface Drainage Plan, incorporated with Layout Plan
- f. Location of County or State facility pursuant to Section 239 I, m and n of the General Municipal Law
- g. Location Map at 1"=1000' scale
- h. Area Map at 1"=200' or an agreed upon scale
 - (1) zoning classification of subject and adjoining properties
 - (2) surrounding land use within 500 feet of subject property
 - (3) surrounding zoning classifications

3. A certified Tax Map from the Cortland County Office of Real Property and Assessment showing the property lines of the applicant's property.

4. Availability of public utilities and services:

Water X District Cortlandville; Sewer X District Cortlandville ;
Fire Protection X District Cortlandville ; Refuse Collection private company

Special services required: _____

5. Does Site Plan conform to municipal master plan? Yes If not why? _____

6. Does Site Plan conform to county land use plan? Yes If not why? _____

7. School District: McGraw Central School District

8. Projected energy consumption: N/A Type: _____

9. Traffic generation (expected vehicle departures and arrivals per 24 hour period) : N/A

NOTE: All maps require the name and address of the N.Y.S. licensed engineer or land surveyor responsible for preparing the seal and map.

Signature and Title of Submitting Official

(REVISED: 8/01)

Short Environmental Assessment Form Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 – Project and Sponsor Information			
Name of Action or Project: Cortland Travel Holding, Inc. - Underground Tank			
Project Location (describe, and attach a location map): 3742 Route 11, Town of Cortlandville, Tax Map No. 97.02-01-24.000 (Cortland County)			
Brief Description of Proposed Action: Installation of underground storage tank holding non-petroleum based material			
Name of Applicant or Sponsor: Cortland Travel Holding Inc.		Telephone: 570.291.4260	
		E-Mail:	
Address: 2227 Scranton Carbondale Highway			
City/PO: Scranton		State: PA	Zip Code: 18508
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.			NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>
2. Does the proposed action require a permit, approval or funding from any other government Agency? If Yes, list agency(s) name and permit or approval:			NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>
3. a. Total acreage of the site of the proposed action?		3.6 acres	
b. Total acreage to be physically disturbed?		1200 sq.ft. acres	
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?		3.6 acres	
4. Check all land uses that occur on, are adjoining or near the proposed action:			
<input type="checkbox"/> Urban <input type="checkbox"/> Rural (non-agriculture) <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Residential (suburban)			
<input type="checkbox"/> Forest <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other(Specify):			
<input type="checkbox"/> Parkland			

5. Is the proposed action,	NO	YES	N/A
a. A permitted use under the zoning regulations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. Consistent with the adopted comprehensive plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	NO
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NO
8. a. Will the proposed action result in a substantial increase in traffic above present levels? b. Are public transportation services available at or near the site of the proposed action? c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NO
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: NOT APPLICABLE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NO
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NO
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: _____	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NO
12. a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NO
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency? b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NO
If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: _____			YES

<p>14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:</p> <p><input type="checkbox"/> Shoreline <input type="checkbox"/> Forest <input type="checkbox"/> Agricultural/grasslands <input type="checkbox"/> Early mid-successional</p> <p><input type="checkbox"/> Wetland <input checked="" type="checkbox"/> Urban <input checked="" type="checkbox"/> Suburban This is a gas station/travel plaza</p>		
<p>15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?</p>	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>16. Is the project site located in the 100-year flood plan?</p>	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>17. Will the proposed action create storm water discharge, either from point or non-point sources?</p> <p>If Yes,</p> <p> a. Will storm water discharges flow to adjacent properties?</p> <p> b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)?</p> <p>If Yes, briefly describe:</p> <p>_____</p> <p>_____</p>	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>18. Does the proposed action include construction or other activities that would result in the impoundment of water or other liquids (e.g., retention pond, waste lagoon, dam)?</p> <p>If Yes, explain the purpose and size of the impoundment:</p> <p>_____</p> <p>_____</p>	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility?</p> <p>If Yes, describe:</p> <p>_____</p> <p>_____</p>	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste?</p> <p>If Yes, describe:</p> <p>_____</p> <p>_____</p>	NO	YES
	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE</p> <p>Applicant/sponsor/name: <u>PORTLAND TRAVEL HOLDING INC / AMARJIT SINGH</u> Date: <u>SEP 18, 2020</u></p> <p>Signature: <u><i>Amarjit Singh</i></u> Title: <u>V. PRES. / SECY</u></p>		

TOWN OF CORTLANDVILLE
3577 TERRACE ROAD
CORTLAND, NEW YORK 13045-3552

APPLICATION FOR SITE PLAN APPROVAL

APPLICANT

Name Cortland Travel Holding Inc. Fee Paid _____

Address 2227 Scranton Carbondale Hwy Phone 570.291.4260

Scranton, PA 18508

PROPERTY OWNER

Name Cortland Travel Holding Inc. Phone 570.291.4260

Address 2227 Scranton Carbondale Hwy

Scranton, PA 18508

PROPERTY INFORMATION

Location of property 3742 Route 11

Tax Map No. of Parcel 97.02-01-24.000

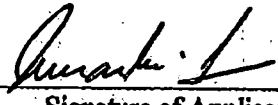
PROPERTY ACQUIRED ON, OR PENDING DATE OF AQUISION 12/26/2018

IS PROPERTY IN FLOOD PLAIN? YES NO

ZONING DISTRICT B3

PROJECT DISCRPTION installation of underground storage tank to hold non-petroleum product on Tax Map No. 97.02-01-24.00 - see map for location

Information to be included will be drawn from a check list in Article XIII, Section 178-71 of the Cortlandville Zoning Law. A sketch plan conference may be deemed necessary by the Planning Board.

DATE OF APPLICATION Sep 18, 2020  _____
Signature of Applicant

Zoning Officer

Planning Board Chairperson

PERMIT GRANTED _____

PERMIT DENIED _____



2018-0758A
 12/17/2018 02:24:23 PM
 MAP
 1750
 James Latta, County Clerk

MAP SHOWING LANDS OF MARSHALL FAMILY ASSOCIATES, L.P.

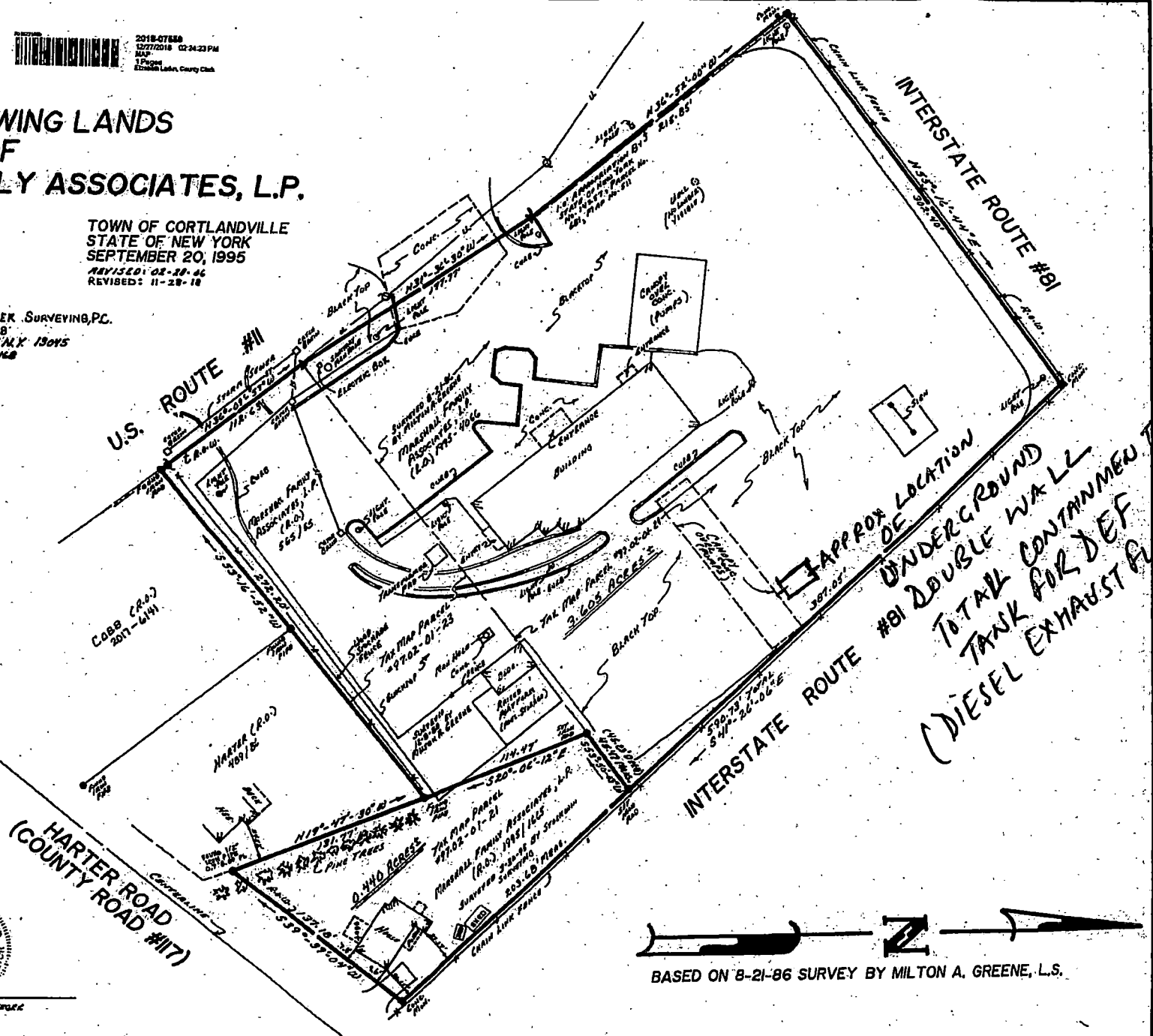
LOT #77
 COUNTY OF CORTLAND
 SCALE: 1" = 40'

TOWN OF CORTLANDVILLE
 STATE OF NEW YORK
 SEPTEMBER 20, 1995
 REVISED: 02-28-06
 REVISED: 11-28-18

DENKENBERGER SURVEYING, P.C.
 P.O. Box 3808
 CORTLAND, N.Y. 13045
 607-756-3148

I hereby certify that this map is an accurate depiction of an actual survey made under my responsible supervision and direction, subject to any state of facts an accurate map may be made subject to a survey being conducted and returned to a surveying authority in accordance with the provisions of section 7250, subdivision 2 of the New York State Education Law, Underground Utilities, if any, are not shown.

NO CHANGE AFFIDAVITS ON THIS MAP
 VOID THE CERTIFICATION COPIES WITHOUT
 EMPLOYED SEAL AND UNAUTHORIZED AND VOID
 FOR CONVEYANCE AND/OR MORTGAGE
 PURPOSES OCCURRING WITHIN ONE YEAR
 OF THE LATEST CERTIFICATION DATE, ONLY.



JAMES C. DENKENBERGER
 P.E. 5239



BASED ON 8-21-86 SURVEY BY MILTON A. GREENE, L.S.

Blue Leaf Diesel Exhaust Fluid

DEF Facts



What is DEF and how should I use it?

DEF is a high purity solution of urea in water (32.5%). It is used to chemically reduce Nox emissions from trucks and buses powered by diesel engines. DEF is contained in a separate tank and sprayed into the exhaust gases. Never fill the diesel fuel tank with DEF.

How much DEF will I need?

You will not need to replenish DEF every time you refill with diesel fuel. The DEF consumption will be approximately 3% of your diesel fuel consumption (for every 100 gallons of diesel consumed you would need 3 gallons DEF).

Is DEF harmful?

DEF is not harmful neither for humans nor animals. DEF is not explosive. It is non-toxic. If you get it on your skin or clothes, rinse with plenty of water.

Will DEF burn?

DEF does not burn and will not aid combustion.

What makes Blue Leaf Diesel Exhaust Fluid the brand of choice?

Blue Leaf Diesel Exhaust Fluid is distributed by Mansfield Energy and DeliveryONE, North America's leading DEF distribution network. DeliveryONE combines high-quality Blue Leaf (guaranteed to meet ISO 22241 standards), superior distribution and logistics, and comprehensive DEF equipment solutions to meet supply and equipment needs of fleets anywhere in the U.S. and Canada.

Certified by the API, Blue Leaf Diesel Exhaust Fluid guarantees protection from impurities and thus will not harm your vehicle's catalyst. Choosing Blue Leaf brings you reliability and reassurance!

Is Blue Leaf Diesel Exhaust Fluid available?

Blue Leaf Diesel Exhaust Fluid is currently available in jugs, drums, totes, and bulk. Turnkey DEF packaging solutions with customized private label branding is also available.

For additional information, contact the Mansfield Energy Blue Leaf DEF Team at 877.591.6377 or visit [our website](#).

U.S. Office:

1700 Lincoln Street, Suite 2220
Denver, Colorado 80203
Phone: 877.591.6377

Canada Office:

255 5th Avenue SW, Suite 730
Calgary, AB T2P3G6
Phone: 877.591.6374



Conforms: GHS (rev 3)(2009)
(This Safety Data Sheet conforms to the requirements of the Hazard Communication Standard (HCS)
(29 CFR 1910.1200(g)), revised in 2012.) - United States

Date of issue/ Date of revision : 11/25/2014
Date of previous issue : 02/12/2014
Version : 1.1

SAFETY DATA SHEET

Blue Leaf DEF Ultrapure Urea Sol 32.5%

Section 1. Identification

Product name : Blue Leaf DEF Ultrapure Urea Sol 32.5%
Product type : Liquid

Uses

Area of application : Industrial applications, Professional applications

Supplier

Supplier's details : Mansfield Oil Company, Inc.

Address

Street : 1025 Airport Parkway, SW
Postal code : 30501
City : Gainesville, GA
Country : United States

Telephone number : +1 877 810 4333
Fax no. : +1 678 207 3107
e-mail address of person
responsible for this SDS : mcoe@mansfieldoil.com

Emergency telephone number : US: Chemtrec 24-hours Emergency Response: 1-800-424-9300
(with hours of operation) : Canada: 24 Hour Emergency Service, (Canutec 613-996-6666)

National advisory body/Poison Center

Name : The National Poisons Emergency number
Telephone number : 1 800 222 1222

Section 2. Hazards identification

OSHA/HCS status : This material is not considered hazardous by the OSHA
Hazard Communication Standard (29 CFR 1910.1200).

Classification and labelling have been performed following the guidelines and recommendation of GHS and the intended use.

Classification of the
substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : Not applicable.

Precautionary statements

General : Not applicable.

Hazards not otherwise classified : None.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Rinse with plenty of running water. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Avoid inhalation of vapor, spray or mist. If inhaled, remove to fresh air. Get medical attention if you feel unwell.

Skin contact : Wash with soap and water. Get medical attention if irritation develops.

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Get medical attention if adverse health effects persist or are severe.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (section 11)

Section 5. Fire-fighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None identified.

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products : Decomposition products may include the following materials:
 carbon dioxide
 carbon monoxide
 nitrogen oxides
 ammonia
 Avoid breathing dusts, vapors or fumes from burning materials.
 In case of inhalation of decomposition products in a fire, symptoms may be delayed.

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Remark : Non-flammable.
Remark : None.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant

or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Bund storage facilities to prevent soil and water pollution in the event of spillage.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. A washing facility or water for eye and skin cleaning purposes should be present.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
> 8 hours (breakthrough time): Protective gloves should be worn under normal conditions of use.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : In case of inadequate ventilation wear respiratory protection.

Personal protective equipment (Pictograms)



Section 9. Physical and chemical properties

Appearance

- Physical state** : Liquid
- Color** : Colorless.
- Odor** : slight, ammoniacal
- Odor threshold** : Not determined.
- pH** : 9 - 10
- Melting/freezing point** : -11.5 °C (11.30 °F)
- Boiling/condensation point** : 100 °C (212.00 °F)
- Sublimation temperature** : Not determined.
- Flash point** : Not applicable
- Evaporation rate** : Not determined.
- Flammability** : Non-flammable.
- Lower and upper explosive (flammable) limits** : Lower: Not determined. Upper: Not determined.
- Vapor pressure** : Not determined.
- Density** : 1.09 g/cm³
- Relative density** : Not determined.
- Solubility** : Not determined.
- Solubility in water** : > 100 g/l
- Partition coefficient: n-octanol/water** : Not determined.
- Auto-ignition temperature** : Not determined.
- Decomposition temperature** : Not determined.
- Viscosity** : **Dynamic:** 1.4 mPa.s @ 20 °C (68.00 °F)
: **Kinematic:** Not determined.
- Explosive properties** : None.
- Oxidizing properties** : None.

Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Avoid contamination by any source including metals, dust and organic materials.
- Incompatible materials** : Urea reacts with calcium hypochlorite or sodium hypochlorite to form the explosive nitrogen trichloride.
- Remark** : Reactive or incompatible with the following materials:
Oxidizing agents
acids
alkalis
Nitrites and nitrates
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

- Conclusion/Summary** : No known significant effects or critical hazards.

Irritation/Corrosion

Conclusion/Summary

- Skin** : No known significant effects or critical hazards.
- Eyes** : No known significant effects or critical hazards.
- Respiratory** : No known significant effects or critical hazards.

Sensitization

Conclusion/Summary

- Skin** : No known significant effects or critical hazards.
- Respiratory** : No known significant effects or critical hazards.

Mutagenicity

- Conclusion/Summary** : No known significant effects or critical hazards.

Carcinogenicity

- Conclusion/Summary** : No known significant effects or critical hazards.

Reproductive toxicity

Conclusion/Summary : No known significant effects or critical hazards.

Teratogenicity

Conclusion/Summary : No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

No known significant effects or critical hazards.

Specific target organ toxicity (repeated exposure)

No known significant effects or critical hazards.

Aspiration hazard

No known significant effects or critical hazards.

Information on the likely routes of exposure : Not available.

Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

Conclusion/Summary : No known significant effects or critical hazards.

- General** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Eye contact** : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Numerical measures of toxicity

Acute toxicity estimates
Not available.

Section 12. Ecological information

Toxicity

Conclusion/Summary : No known significant effects or critical hazards.

Persistence/degradability

Conclusion/Summary : No known significant effects or critical hazards.

Bioaccumulative potential

Conclusion/Summary : No known significant effects or critical hazards.

Mobility in soil

- Soil/water partition coefficient (KOC)** : Not available.
Mobility : This product may move with surface or groundwater flows because its water solubility is: high
Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Product

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List:

Not listed

United States - RCRA Toxic hazardous waste "U" List:

Not listed

Section 14. Transport information

Regulation: UN Class	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	No.
14.6 Additional information <u>Environmental hazards</u>	: No.

Regulation: IMDG	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	
14.6 Additional information	

Regulation: IATA	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	
14.6 Additional information	

Regulation: DOT Classification	
14.1 UN number	Not regulated.
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	No.
14.6 Additional information <u>Environmental hazards</u>	: No.

Regulation: TDG Class	
14.1 UN number	Not regulated.

14.2 UN proper shipping name	
14.3 Transport hazard class(es)	
14.4 Packing group	
14.5 Environmental hazards	No.
14.6 Additional information <u>Environmental hazards</u>	: No.

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

IMSB : Not applicable.

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

Proper shipping name : Urea solution
Ship type : 3
Pollution category : Z

Section 15. Regulatory information

United States

U.S. Federal regulations : **United States - TSCA 12(b) - Chemical export notification:** None of the components are listed.
United States - TSCA 4(a) - Final Test Rules: Not listed
United States - TSCA 4(e) - ITC Priority list: Not listed
United States - TSCA 4(a) - Proposed test rules: Not listed
United States - TSCA 4(f) - Priority risk review: Not listed
United States - TSCA 5(a)2 - Final significant new use rules: Not listed
United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed
United States - TSCA 5(e) - Substances consent order: Not listed
United States - TSCA 6 - Final risk management: Not listed
United States - TSCA 6 - Proposed risk management: Not listed
United States - TSCA 8(a) - Comprehensive assessment report (CAIR): Not listed
United States - TSCA 8(a) - Chemical risk rules: Not listed
United States - TSCA 8(a) - Dioxin/Furane precursor: Not listed
United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined
United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed
United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed
United States - TSCA 8(d) - Health and safety studies:

Not listed
 United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Not listed
 United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Listed Ammonia
 United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed
 United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed
 United States - Department of commerce - Precursor chemical: Not listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : Not listed
 Clean Air Act Section 602 Class I Substances : Not listed
 Clean Air Act Section 602 Class II Substances : Not listed
 DEA List I Chemicals (Precursor Chemicals) : Not listed
 DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

SARA 304 RQ : 111111.1 lbs

SARA 311/312

Classification : Not applicable.
 No products were found.

State regulations

Massachusetts : None of the components are listed.
 New York : None of the components are listed.
 New Jersey : None of the components are listed.
 Pennsylvania : None of the components are listed.

California Prop. 65

This product contains a chemical (or chemicals) known to the State of California to cause cancer and birth defects or other reproductive harm.

International lists

New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
 Korea inventory: All components are listed or exempted.
 Japan inventory: All components are listed or exempted.
 China inventory (IECSC): All components are listed or exempted.
 Australia inventory (AICS): All components are listed or exempted.
 Canada inventory (DSL and NDSL): All components are listed or exempted.
 United States inventory (TSCA 8b): All components are listed or exempted.
 EC INVENTORY (EINECS/ELINCS): All components are listed or exempted.

Safety, health and environmental regulations specific for the product : No known other specific national and/or regional regulations applicable to this product (including its ingredients).

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	0
Flammability	0
Physical hazards	0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

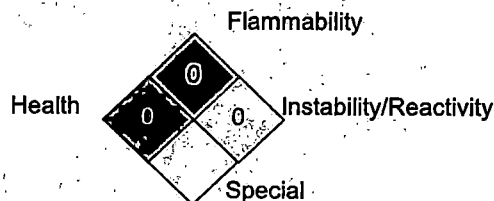
The customer is responsible for determining the PPE code for this material.

Chronic toxicity:

- : No data available.

* : Carcinogen, Target organs, Reproductive effects, Sensitizer to lungs

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Key to abbreviations

ADN/ADNR = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 bw = Body weight
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 NOHSC - National Occupational Health and Safety Commission

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons
UN = United Nations

References : EU REACH IUCLID5 CSR.
National Institute for Occupational Safety and Health, U.S.
Dept. of Health, Education, and Welfare, Reports and Memoranda Registry of Toxic Effects of Chemical Substances.
IHS, 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada.

History

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Indicates information that has changed from previously issued version.

Notice to reader

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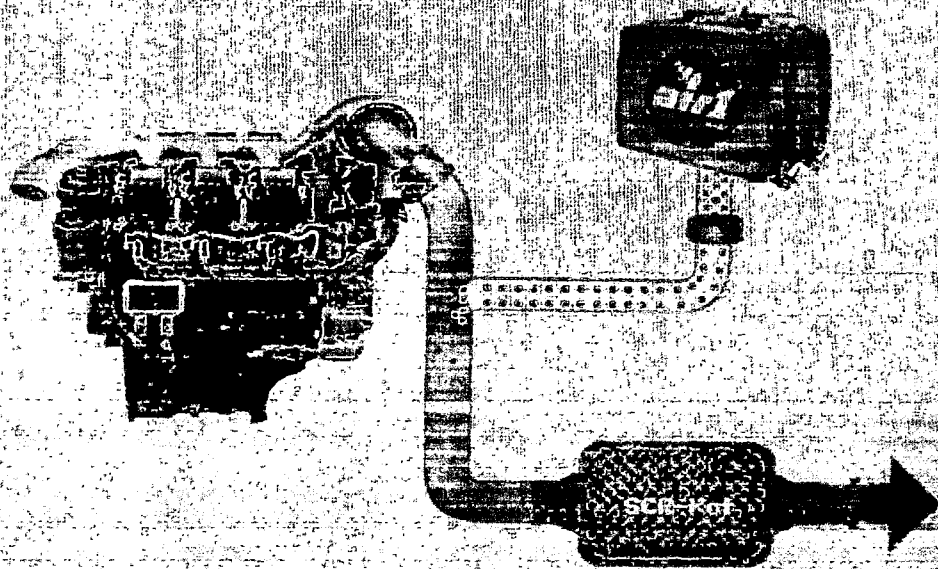
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Diesel Exhaust Fluid (DEF) is the operating fluid used in the SCR engine technology of new diesel trucks to chemically reduce nitrogen oxide emissions from the exhaust to near zero levels. Air1® DEF is a pure, aqueous solution of urea and water that is certified to meet API and ISO 22241 standards for purity and concentration. It is biodegradable, non-toxic, non-hazardous, non-flammable and non-explosive.

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