



# SAFETY DATA SHEET

Issue date: January 28, 2019

## Section 1: IDENTIFICATION

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**Product name:** Olympus Blue Diesel Exhaust Fluid (DEF) - ultra pure urea solution, 32.5% Liquid  
**Product type:** Industrial application, professional application  
**Product uses:** Non-specified industry: cleaning of waste gases  
**Common name:** Diesel Exhaust Fluid, Ultra pure urea solution, 32.5%  
**Manufacturer:** Southern Counties Lubricants, LLC (SCL)  
1825 W. Collins Avenue  
Orange, CA 92863  
Tel. 800-984-LUBE  
**Responsible party:** Southern Counties Lubricants, LLC (SCL)  
phone: 800-984-LUBE  
email: info@SCOIL.COM  
**Emergency contact:** MANAGING DIRECTOR - JEFF LEE  
800.986.LUBE  
POISON CONTROL (eye/skin contact, inhalation, ingestion) 800.222.1222  
**Validation date:** January 28, 2016

## Section 2: HAZARD(S) IDENTIFICATION

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**Hazard statement(s):** May cause slight irritation to the eyes, skin, digestive and respiratory system. Avoid breathing vapor or mist. Avoid contact with eyes. Avoid prolonged and/or repeated contact with skin. Use only with adequate ventilation. Keep container tightly closed and sealed until ready to use. Wash thoroughly after handling.

**Prevention:** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe mists. Use proper personal protective equipment.

**Response:** If on skin - wash with plenty of water for at least 15 minutes. If skin irritation occurs, get medical advise, Take off contaminated clothing and wash it before reuse.  
If in eyes - rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention.  
If swallowed - call a doctor/physician if you feel unwell. Rinse mouth.

**Storage:** Store in a cool dry place out of sunlight between 12°F (11°C) and 86°F (30°C).

**Disposal:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**OSHA/HCS Status:** This material is not considered hazardous by the OSHA Hazard Communication Standard (26 CFR 1910.1200).



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## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	%	GHS-US classification
Urea	57-13-6	32.5	not classified
Water	7732-18-5	67.5	not classified

## Section 4: FIRST-AID MEASURES

<b>Eye contact:</b>	Rinse with plenty of running water. Check for and remove any contact lenses. Get medical attention if irritation occurs.
<b>Skin contact:</b>	Wash with soap and water. Get medical attention if irritation develops.
<b>Inhalation:</b>	Avoid inhalation of vapor, spray or mist. If inhaled, move victim to fresh air.
<b>Ingestion:</b>	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical help immediately.
<b>Protection of first-aiders:</b>	No action shall be taken involving any personal risk or without suitable training.
<b>Note to physician:</b>	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.

## Section 5: FIRE-FIGHTING MEASURES

<b>Flammable properties:</b>	Not flammable by WHMIS/OSHA criteria.
<b>Product flammability:</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Extinguishing media:</b>	
<b>Suitable:</b>	Treat for surrounding material (water, carbon dioxide, foam and/or powder extinguisher.
<b>Non suitable:</b>	None identified.
<b>Special exposure hazards:</b>	Fire fighters should wear full protective clothing including self-contained breathing apparatus.
<b>Hazardous thermal</b>	
<b>Decomposition products:</b>	Decomposition products may include the following materials: - carbon oxides



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- 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 remarks  
on fire hazards:**

Non-flammable.

**Special remarks  
on explosion hazards:**

None.

## Section 6: ACCIDENTAL RELEASE MEASURES

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**Personal precautions:**

Keep unnecessary personnel away. Wear appropriate protective clothing (see Section 8). Stop/contain leak(s) if you can do so without risk.

**Containment methods:**

Prevent entry to waterways, sewers, basements or confined areas.

**Clean up Methods  
Small spill:**

May be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Dispose of via licensed waste disposal contractor.

**Large spill:**

Prevent entry into sewers, water courses, basements or confined areas. 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 licensed waste disposal contractor.

*Note: See Section 1 for emergency contact information and Section 13 for waste disposal.*

## Section 7: HANDLING & STORAGE

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**Handling:**

Use good industrial hygiene practices in handling this product. Put on appropriate personal protective equipment (see Section 8). 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.

*Note: See also Section 8 for additional information on hygiene measures.*



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**Storage:**

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.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Ingredient</u>	<u>Exposure limits</u>
Urea	OSHA Permissible Exposure Limit (PEL): none established ACGIH Threshold Limit Values (TLV): none established

**Personal protective equipment**

**Eye/face protection:** Safety glasses with side shields are recommended if splashing or contact is likely

**Hand protection:** Impervious gloves (Nitrile, Viton, Butyl) are recommended if prolonged or repeated contact is likely.

**Skin and body protection:** Not generally required.

**Respiratory protection:** Not generally required. If exposure guideline levels may be exceeded and/or misty condition prevails, use NIOSH approved respirator.

**Other protective measures:** Avoid breathing vapors. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

## Section 9: PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid
Appearance:	Clear
Color:	Colorless
Form:	Liquid
Odor:	Slight (ammonia)
pH:	9.8-10
Freezing temp.:	-11°C (12.2°F)
Boiling/condensation point:	104°C (219.2°F)
Density:	4.13 kg/3.785L (9.1 lbs/USG)
Specific gravity:	1.087 - 1.093 g/cm <sup>3</sup> @ 20°C (68°F)
Sublimation temperature:	Not determined
Solubility in water:	>100g/L; 100%



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## Section 10: STABILITY & REACTIVITY

<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Avoid heating above 130°C (266°F). Avoid contamination by any source including metals, dust and organic materials.
<b>Hazardous decomposition products:</b>	May include, but not limited to (when heated): oxides of carbon, oxides of nitrogen, ammonia, cyanic acid, cyanic acid, biuret.
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization does not occur.

## Section 11: TOXICOLOGICAL INFORMATION

### Component analysis - LC50

<u>Ingredient(s)</u>	<u>LC50</u>
UREA	Not available

### Component analysis - Oral LD50

<u>Ingredient(s)</u>	<u>LD50</u>
UREA	11,500-13,000 mg/kg mouse; 14,300-15,000 mg/kg rat 510 mg/kg cattle

### Effects of acute exposure

Eye:	May cause irritation
Skin:	May cause irritation
Inhalation:	Not available
Ingestion:	May cause stomach distress, nausea or vomiting

<b>Sensitization:</b>	Non hazardous by WHMIS/OSHA criteria
<b>Chronic effects:</b>	Non hazardous by WHMIS/OSHA criteria
<b>Carcinogenicity:</b>	Non hazardous by WHMIS/OSHA criteria
<b>Mutagenicity:</b>	Non hazardous by WHMIS/OSHA criteria
<b>Reproductive effects:</b>	Non hazardous by WHMIS/OSHA criteria
<b>Teratogenicity:</b>	Non hazardous by WHMIS/OSHA criteria

## Section 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No known significant effects or critical hazards.
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### Freshwater fish species data

UREA (57-13-6)	96 Hr LC50 Barillius barna: >9100 mg/L
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### Microtox data

UREA (57-13-6)	24 Hr EC50 Daphnia magna straus: >10000mg/L
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<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available



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Persistence/degradability	Not available
Bioaccumulation/accumulation	Not available
Partition coefficient	Not available
Mobility in environmental media	Not available
Chemical fate information	Not available
Other adverse effects	Not available

## Section 13: DISPOSAL CONSIDERATIONS

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**Methods of disposal:** Dispose of contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Disposal should be in accordance with applicable regional, national and local laws and regulations.

*Note: Refer to Section 7: Handling & Storage and Section 8: Exposure Controls/ Personal Protection for additional handling information and protection of employees.*

## Section 14: TRANSPORT INFORMATION

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**US Dept. of Transportation (DOT):** Not regulated as dangerous goods.

**Transportation of dangerous goods (TDG - Canada):** Not regulated as dangerous goods.

## Section 15: REGULATORY INFORMATION

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### US Federal regulations

#### EPA Toxic Substances Control Act (TSCA)

Listed in the EPA TSCA chemical substance inventory.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate (acute) health hazard: yes (urea) Delayed hazard: no Fire hazard: no Pressure hazard: no Reactivity hazard: no
Section 311/312:	Immediate (acute) health hazard (urea)

### State regulations

**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.



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## Section 16: OTHER INFORMATION

### Hazardous Material Information System (USA)

Health	*	1
Flammability		0
Physical hazards		0
Personal protection		0

### Hazard rating (NFPA 704)

Health:	1
Fire:	0
Reactivity:	0
Special:	None

### Hazard rating scale

0	Minimal
1	Slight
2	Moderate
3	Serious
4	Severe

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Date of previous issue: 04\_020916  
Version: 05\_012819

**RED/BOLD** Indicates information that has changed from previous version.

*NOTE: The information in this document is believed to be correct as of the date issued. The information and recommendation herein are taken from data contained in independent industry recognized references including NIOSH, OSHA, ANSI and NFPA.*

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*All materials may present unknown hazards and should be used with caution. This information does not apply to that material when combined with other material(s) or when used otherwise than described herein. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*