



# SUNOCO CHALLENGE D/E SERIES SYNTHETIC FLUIDS

## DIESTER-BASED COMPRESSOR LUBRICANT

1. PRODUCT AND COMPANY IDENTIFICATION			
Product Name	CHALLENGE D/E SERIES		
Company	Sunoco Lubricants PO Box 16270 Philadelphia, PA 19154		
Emergency Number	Chemtrec: 1-800-424-9300		
2. HAZARDS IDENTIFICATION			
Appearance: Clear and Bright	Physical State: Liquid	Odor: Odorous	
OSHA Regulatory Status	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)		
<b><u>Potential Health Effects</u></b>			
Principal Routes of Exposure	Skin contact, Eye contact.		
Acute Toxicity: Eyes, Skin, Inhalations, Ingestion	No known significant effects or critical hazards.		
Chronic Effects	No known effect.		
Aggravated Medical Conditions	None known.		
Interactions with Other Chemical	None known.		
Environmental Hazard	No information available		
3. COMPOSITION/ INFORMATION ON INGREDIENTS			
Chemical Family	Diester		
4. FIRST AID MEASURES			
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.		
Skin Contact	Wash off with plenty of water. In case of skin irritation or allergic reactions see a physician.		
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Consult a physician.		
Protection of First-aiders	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.		
Interactions with Other Chemicals	None known.		
5. FIRE-FIGHTING MEASURES			
Flash Point	274°C /526°F		
Suitable Extinguishing Media	Dry chemical, CO <sub>2</sub> , water spray or regular foam.		
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand. MSHA/NIOSH (approved or equivalent) and full protective gear.		
NFPA	Health: 1	Flammability: 1	Stability: 0

6. ACCIDENTAL RELEASE MEASURES			
Personal Precautions	Evacuate personnel to safe areas. Use personal protective equipment.		
Methods for Containment	Dike for disposal and cover with wet sand or earth.		
Methods for Clean up	Prevent product from entering drains. Use a non-combustible material like vermiculite, sand or earth to soak up product and place in a container for later disposal.		
7. HANDLING AND STORAGE			
Handling	Handle in accordance with good industrial hygiene and safety practice.		
Storage	Keep containers tightly closed in a cool, well-ventilated place.		
8. EXPOSURE CONTROLS/PERSONAL PROTECTION			
Engineering Measures	None under normal use conditions.		
Personal Protective Equipment	Eye/Face Protection: Safety glasses with side shields Skin and Body: Wear protective gloves/clothing Respiratory: No special protective equipment required.		
<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
Aniline	TWA: 2 ppm	TWA: 19 mg/m <sup>3</sup> , 5 ppm	100 ppm
9. PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	Clear and Bright	Odor	Odorous
Physical State	Liquid	Flash Point	274°C /526°F
Specific Gravity	0.96	Weight per Gallon	8.00
Viscosity @ 40°C	36 cSt		
10. STABILITY AND REACTIVITY			
Stability	Stable under normal conditions.		
Incompatible Products	Incompatible with oxidizing agents.		
Conditions to avoid	None Known.		
Hazardous Decomposition Products	None under normal use.		
Hazardous Reactions	None under normal use.		
Hazardous Polymerization	Hazardous polymerization does not occur.		
11. TOXICOLOGICAL INFORMATION			
Acute Toxicity	Product is safe for intended use based on the formulation, testing results and the long history of safe consumer use.		
Carcinogenicity	ACGIH – A3 - Aniline		
Endocrine Disruptor	Not available		
<b>Chemical Name</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
N-Phenyl-beta-naphthylamine	8730 mg/kg (Rat)		
Aniline	250 mg/kg (Rat)	1400 mg/kg (Rat)	

**12. ECOLOGICAL INFORMATION**

Ecotoxicity		The environmental impact of this product has not been fully investigated. However, at the concentration present, this preparation is not expected to present significant adverse environmental effects		
<b>Chemical Name</b>	<b>Toxicity to Algae</b>	<b>Toxicity to Fish</b>	<b>Microtox</b>	<b>Water Flea</b>
Aniline		LC50 = 75.5 mg/L 96 h	EC50 = 425 mg/L 5 min	

**13. DISPOSAL CONSIDERATIONS**

Waste Disposal Method | Dispose of contents/container in accordance with local regulations.  
 This product contains one or more substances that are listed with the State of California as a hazardous waste – Aniline

**14. TRANSPORT INFORMATION**

<b>DOT</b>	Not Regulated	<b>IATA</b>	Not Regulated	<b>IMDG/IMO</b>	Not Regulated
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**15. REGULATORY INFORMATION**

International Inventories

<b>TSCA</b>	Listed	<b>DSL</b>	Listed	<b>EINECS/ELINCS</b>	Listed	<b>ENCS</b>	Not Listed
<b>IECSC</b>	Listed	<b>KECL</b>	Listed	<b>PICCS</b>	Listed	<b>AICS</b>	Listed

U.S. Federal Regulations

<b>Chemical Name</b>	<b>Massachusetts</b>	<b>New Jersey</b>	<b>Pennsylvania</b>	<b>Illinois</b>	<b>Rhode Island</b>
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**SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 (SARA). This product does not contain any chemicals which are subject to the reporting of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories:** None

**Clean Water Act:** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**Clean Air Act, Section 112, Hazardous Air Pollutants (HAPs):** This product contains no substances which are listed hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act.

U.S. State Regulations/ International Regulations

**California Proposition 65:** This product contains a substance on the list of Proposition 65 chemicals.

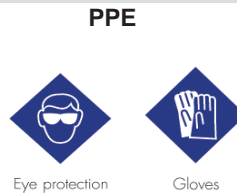
**Mexico – Grade:** No information available

**RoHS Compliant**

**16. OTHER INFORMATION**



HMIS	
Health Hazard	<b>1</b>
Fire Hazard	<b>.1</b>
Reactivity	<b>0</b>



**Transport Symbol**

**Not Regulated**

**Issuing Date:** March 14, 2012

**Supersedes:** February 7, 2011

**Disclaimer:** The information provided on the MSDS is a correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.