

MATERIAL SAFETY DATA SHEET

MSDS Number: 67290E - 12

24 Hour Emergency Assistance: CHEMTEL (877)
 General Assistance Number: (877) 276 -7285

 SECTION 1 PRODUCT IDENTIFICATION

MATERIAL IDENTITY: Shell DONAX® TD Fluid

PRODUCT CODES: 53004

 COMPANY ADDRESS: Equilon Enterprises LLC, P. O. Box 4453, Hou
 77210-4453

 SECTION 2 PRODUCT/INGREDIENTS

CAS#	CONCENTRATION	INGREDIENTS
Mixture	100 %weight	Automatic Transm:
Mixture	80 - 89.99 %weight	Hydrotreated heav
distillate		
64742-65-0	10 - 14.99 %weight	Hydrotreateddewa
distillate		
64742-53-6	1 - 2.99 %weight	Hydrotreated ligh
distillate		
Generic	1 - 2.99 %weight	Zinc Compounds
50867-55-5	1 - 1.99 %weight	Polymethacrylate

 SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance & Odor: Amber, clear liquid

Health Hazards: No known immediate health hazards. High-pressure under the skin may cause serious damage.

Physical Hazards: No known physical hazards.

NFPA Rating (Health, Fire, Reactivity): 1, 1, 0

Hazard Rating: Least - 0 Slight - 1 Moderate - 2

Extreme - 4

Inhalation:

Inhalation of vapors (generated at high temperatures only) may cause mild irritation of the nose, throat, and respiratory tract.

Eye Irritation:

Lubricating oils are generally considered no more than mildly irritate the eyes.

Skin Contact:

Lubricating oils are generally considered no more than mildly irritate the skin. Prolonged and repeated contact may result in defatting of the skin that may cause various skin disorders such as dermatitis, folliculitis or oil acne. Release of the material during high-pressure applications may result in injection under the skin causing tissue damage which is difficult to heal.

Ingestion:

Lubricating oils are generally no more than slightly toxic if ingested.

Other Health Effects:

Material may release hydrogen sulfide (H₂S), a highly toxic flammable gas, when heated to 120 Degrees F or higher. H₂S causes irritation of the eyes and respiratory tract, headache, dizziness, vomiting, diarrhea, and pulmonary edema. At concentrations above 100 ppm, respiratory paralysis, causing unconsciousness and death, can occur. ("rotten egg") threshold is 0.02 ppm. Do not depend on sensory warning; H₂S rapidly deadens the sense of smell.

Signs and Symptoms:

Irritation as noted above. Local necrosis is evidenced by pain and tissue damage a few hours following injection.

Aggravated Medical Conditions:

Pre-existing eye, skin and respiratory disorders may be aggravated by this product.

For additional health information, refer to section 11.

SECTION 4 FIRST AID MEASURES

Inhalation:

Remove victim to fresh air and provide oxygen if breathing is impaired. Seek medical attention.

Skin:

Remove contaminated clothing and shoes and wipe excess from skin with water, then wash with soap and water. If irritation occurs, seek medical attention. Do not reuse clothing until cleaned. If material is absorbed under the skin, transport to the nearest medical facility for treatment.

Eye:

Flush with water. If irritation occurs, get medical attention immediately.

Ingestion:

Do not induce vomiting. In general, no treatment is necessary if small quantities of product are ingested. However, get medical attention if symptoms develop.

Note to Physician:

In general, emesis induction is unnecessary in high viscosity products such as oils and greases.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point [Method]: 390 °F/198.89 °C [Cleveland Open Cup]

Extinguishing Media:

Material will float and can be re-ignited on surface of water. Use 'alcohol foam', dry chemical or carbon dioxide (CO2) to extinguish. Do not use a direct stream of water.

Fire Fighting Instructions:

Material will not burn unless preheated. Clear fire area of personnel. Only enter confined fire space with full gear, i positive pressure, NIOSH-approved, self-contained breathing surrounding equipment, fire-exposed containers and structure Container areas exposed to direct flame contact should be co quantities of water (500 gallons water per minute flame impi to prevent weakening of container structure.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures:

May burn although not readily ignitable.

Wear appropriate personal protective equipment when cleaning to Section 8.

Spill Management:

FOR LARGE SPILLS: Remove with vacuum truck or pump to storag

FOR SMALL SPILLS: Soak up residue with an absorbent such as other suitable material. Place in non-leaking container and proper disposal.

Reporting:

CERCLA: Product is covered by EPA's Comprehensive Environmen Compensation and Liability Act (CERCLA) petroleum exclusion. land, or water are not reportable under CERCLA (Supe rfund).

CWA: This product is an oil as defined under Section 311 of Act (CWA). Spills into or leading to surface waters that cau reported to the National Response Center, 1-800-424-8802.

SECTION 7 HANDLING AND STORAGE

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FOR LARGE SPILLS: Remove with vacuum truck or pump to storag

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SECTION 7 HANDLING AND STORAGE

Precautionary Measures:

Wash with soap and water before eating, drinking, smoking, or using toilet. Launder contaminated clothing before reuse or dispose of contaminated leather articles such as shoes or be decontaminated. Avoid heat, open flames, including pilot light oxidizing agents. Use explosion-proof ventilation to prevent accumulation. Ground all handling equipment to prevent static

Material may release hydrogen sulfide (H₂S), a highly toxic flammable gas, when heated to 120 Degrees F or higher. H₂S headspace of the container.

Storage:

Store in a cool, dry place with adequate ventilation. Keep away from flames and high temperatures.

Container Warnings:

Keep containers closed when not in use. Containers, even when emptied, can contain explosive vapors. Do not cut, drill, or perform similar operations on or near containers.

 SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Oil Mist, Mineral	ACGIH TLV	TWA: 5 mg/m ³	STEL: 10 mg/m ³
Oil mist, mineral	OSHA PEL	TWA: 5 mg/m ³	
Oil Mist, Mineral	OSHA PEL - 1989 (revoked)	TWA: 5 mg/m ³	

Hydrogen sulfide	ACGIH - TLV	TWA: 10 ppm	STEL: 15 ppm
Hydrogen sulfide	OSHA - PEL IS	TWA: 10 ppm	STEL: 15 ppm
Hydrogen sulfide	Thermal		THER

EXPOSURE CONTROLS

Adequate ventilation to control airborne concentrations below guidelines/limits.

PERSONAL PROTECTION

Personal protective equipment (PPE) selections vary based on

exposure conditions such as handling practices, concentration
Information on the selection of eye, skin and respiratory protection
with this material is provided below.

Eye Protection:

Chemical Goggles, or Safety glasses with side shields

Skin Protection:

Use protective clothing which is chemically resistant to this
Selection of protective clothing depends on potential exposure
may include gloves, boots, suits and other items. The selection
take into account such factors as job task, type of exposure
requirements.

Published literature, test data and/or glove and clothing materials
indicate the best protection is provided by:

Neoprene, or Nitrile Rubber

Respiratory Protection:

If engineering controls do not maintain airborne concentration
which is adequate to protect worker health, an approved respirator
worn. Respirator selection, use and maintenance should be in
the requirements of the OSHA Respiratory Protection Standard

Types of respirator(s) to be considered in the selection process
Supplied-Air Respirator. Air-Purifying Respirator for Dusts
Mist: Air Purifying, R or P style NIOSH approved respirator

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Amber, clear liquid

Substance Chemical Family: Lubricants

Appearance: Amber, clear liquid

Flash Point: 390 °F [Cleveland Open Cup]

Odor: Petroleum oil odor

Specific Gravity: 0.8927

Viscosity: 72.2 cSt - 89.3 cSt @ 40 °C

SECTION 10 REACTIVITY AND STABILITY

Stability:

Material is stable under normal conditions.

Conditions to Avoid:

Avoid heat and open flames.

Materials to Avoid:

Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition products are highly dependent on combustion. A complex mixture of airborne solids, liquids and gases will be formed. Material undergoes pyrolysis or combustion. Aldehydes, Carbons, Carbon Dioxide, Hydrogen Sulfide, Hydrogen Sulfide, Ketones, Sulfur-includes Sulfur dioxide, Zinc and other unidentified organic compounds may be formed upon

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity

Dermal LD50 >5.0 g/kg (Rabbit) OSHA: Non-Toxic Based on Eye Irritation Draize <15 / 110, nonirritating [Rabbit, 2 Non-Irritating Based on components(s)]

Oral LD50 >5.0 g/kg (Rat) OSHA: Non-Toxic Based on components(s) Skin Irritation Draize <2.0 / 8.0, nonirritating [Rabbit, OSHA: Non-Irritating Based on components(s)]

Carcinogenicity Classification

Automatic Transmission Fluid

NTP: No IARC: Not Reviewed ACGIH: No OSHA: No

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Summary:

There is no ecological data available for this product. How is an oil. It is persistent and does not readily biodegrade does not bioaccumulate.

SECTION 13 DISPOSAL CONSIDERATIONS

RCRA Information:

Under RCRA, it is the responsibility of the user of the mate at the time of the disposal, whether the material meets RCRA hazardous waste. This is because material uses, transformat processes, etc. may affect the classification. Refer to the and local regulations regarding proper disposal.

SECTION 14 TRANSPORT INFORMATION

US Department of Transportation Classification

This material is not subject to DOT regulations under 49 CFR

Oil: This product is an oil under 49CFR (DOT) Part 130. If or highway in a tank with a capacity of 3500 gallons or more these requirements. Mixtures or solutions containing 10% or product may also be subject to this rule.

International Air Transport Association

Not regulated under IATA rules.

International Maritime Organization Classification
Not regulated under International Maritime Organization rule

SECTION 15 REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

OSHA Classification:

Product is hazardous according to the OSHA Hazard Communicat
CFR 19.10.1200, because it carries the occupational exposure
oil mist.

Ozone Depleting Substances (40 CFR 82 Clean Air Act) :

This material does not contain nor was it directly manufactu
I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III:

There are no components in this product on the SARA 302 list

SARA Hazard Categories (311/312):

Immediate Health:NO Delayed Health:NO Fire:NO Pressure
Reactivity:NO

SARA Toxic Release Inventory (TRI) (313):

Zinc compounds

Toxic Substances Control Act (TSCA) Status:

All component(s) of this material is(are) listed on the EPA/
Chemical Substances.

Other Chemical Inventories:

Component(s) of this material is (are) listed on the Austral
Canadian DSL, Chinese Inventory, European EINECS, Japan E

Inventory, Philippines PICCS

State Regulation

The following chemicals are specifically listed by individual product specific health and safety data in other sections of this MSDS that may be applicable for state requirements. For details on your state requirements you should contact the appropriate agency in your state.

New Jersey Right-To-Know Chemical List:

Zinc compounds 1 - 2.99 %weight

Pennsylvania Right-To-Know Chemical List:

Zinc compounds 1 - 2.99 %weight Environmental Hazard

SECTION 16 OTHER INFORMATION

HMIS Rating (Health, Fire, Reactivity): 1, 1, 0

Revision#: 12

Revision Date: 10/05/2001

Revisions since last change (discussion): This Material Safety Data Sheet (MSDS) has been revised because Equiva Services LLC. has implemented new software for the generation of this sheet. There will be slight differences in the hazard classification language as we incorporate the guidance contained in the ANSI Z400.1-1998. There are no significant changes to the precautionary messages. We encourage you to take the opportunity to review this sheet and review the information contained.

SECTION 17 LABEL INFORMATION

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE.

MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT OTHER RELATED REGULATORY REQUIREMENTS.

PRODUCT CODES: 53004

Shell DONAX® TD Fluid

ATTENTION!

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE OIL ACNE OR DER HIGH-PRESSURE INJECTION UNDER SKIN MAY CAUSE SERIOUS DAMAGE.

Precautionary Measures:

Avoid prolonged or repeated contact with eyes, skin and clothes thoroughly after handling.

FIRST AID

Inhalation: Remove victim to fresh air and provide oxygen if difficult. Get medical attention.

Skin Contact: Remove contaminated clothing and shoes and wash skin. Flush skin with water, then wash with soap and water if occurs, get medical attention. Do not reuse clothing until material is injected under the skin, transport to the nearest hospital for additional treatment.

Eye Contact: Flush with water. If irritation occurs, get medical attention.

Ingestion: Do not induce vomiting. In general, no treatment unless large quantities of product are ingested. However, get medical attention.

FIRE

In case of fire, Use water fog, 'alcohol foam', dry chemical dioxide (CO2) to extinguish flames. Do not use a direct stream. Material will float and can be re-ignited on surface of water.

SPILL OR LEAK

Dike and contain spill.

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage.

FOR SMALL SPILLS: Soak up residue with an absorbent such as

other suitable material. Place in non-leaking container and proper disposal.

CONTAINS: Hydrotreated heavy paraffinic distillate, Mixture; Hydrotreated dewaxed heavy paraffinic distillate, 647 42-65-0; light naphthenic distillate, 64742 -53-6; Zinc Compounds, Gen Polymethacrylate additive, 50867 -55-5

NFPA Rating (Health, Fire, Reactivity): 1, 1, 0

HMIS Rating (Health, Fire, Reactivity): 1, 1, 0

TRANSPORTATION

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This material is not subject to DOT regulations under 49 CFR

Oil: This product is an oil under 49CFR (DOT) Part 130. If or highway in a tank with a capacity of 3500 gallons or more these requirements. Mixtures or solutions containing 10% or product may also be subject to this rule.

CAUTION: Misuse of empty containers can be hazardous. Empty be hazardous if used to store toxic, flammable, or reactive Cutting or welding of empty containers might cause fire, exp fumes from residues. Do not pressurize or expose to open fl Keep container closed and drum bungs in place.

Name and Address

Equilon Enterprises LLC
P. O. Box 4453
Houston, TX 77210 -4453

TRANSPORTATION EMERGENCY CHEMTEL (877) 276 -7283

HEALTH EMERGENCY CHEMTEL (877) 276 -7283

ADMINISTRATIVE INFORMATION

COMPANY ADDRESS: Equilon Enterprises LLC, P. O. Box 4453,
77210-4453

Company Product Stewardship & Regulatory Compliance Contact:
Phone Number: (281) 874 -7708

MSDS FAX-BACK Phone Number: (877) 276 -7285

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TO DETERMINE THE APPLICABILITY OR EFFECT OF ANY LAW OR REGUL TO THE PRODUCT, YOU SHOULD CONSULT WITH YOUR LEGAL ADVISOR O GOVERNMENT AGENCY. WE WILL NOT PROVIDE ADVICE ON SUCH MATTER RESPONSIBLE FOR ANY INJURY FROM THE USE OF THE PRODUCT DESCR UNDERLYING DATA, AND THE INFORMATION PROVIDED HEREIN AS A RE IS THE PROPERTY OF EQUIVA SERVICES LLC AND IS NOT TO BE THE EXCHANGE WITHOUT THE EXPRESS WRITTEN CONSENT OF EQUIVA SERVI

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