

# Equiva Services – MSDS

## MATERIAL SAFETY DATA SHEET

MSDS Number: 400569E - 2

24 Hour Emergency Assistance: CHEMTEL (877) 276-7283  
General Assistance Number: (877) 276-7285

## SECTION 1 PRODUCT IDENTIFICATION

MATERIAL IDENTITY: SHELL ROTELLA® Diesel Fuel Additive

PRODUCT CODES: 55006  
COMPANY ADDRESS: Equilon Enterprises LLC, P. O. Box 4453, Houston, TX.  
77210-4453

## SECTION 2 PRODUCT/INGREDIENTS

CAS#	CONCENTRATION	INGREDIENTS
Mixture	100 %weight	Diesel Fuel Additive
64742-94-5	35 - 44.99 %weight	Solvent Naphtha, Heavy Aromatic
8008-20-6	20 - 29.99 %weight	Kerosene
Mixture	15 - 24.99 %weight	Additives
91-20-3	1 - 4.99 %weight	Naphthalene
1330-20-7	1 - 2.99 %weight	Dimethyl Benzene

## SECTION 3 HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Appearance Odor: Bright and clear liquid. Hydrocarbon odor  
Health Hazards: May cause skin irritation. May be harmful or fatal if swallowed. Do not induce vomiting. May cause aspiration pneumonitis.

Physical Hazards: Combustible Liquid.

NFPA Rating (Health, Fire, Reactivity): 1, 2, 0

Hazard Rating:Least - 0 Slight - 1 Moderate - 2 High - 3

Extreme - 4

### Inhalation:

In applications where vapors (caused by high temperature) or mists (caused by mixing or spraying) are created, breathing may cause a mild burning sensation in the nose, throat and lungs.

### Eye Irritation:

May cause slight irritation of the eyes. If irritation occurs, a temporary burning sensation, minor redness, swelling, and/or blurred vision may result.

### Skin Contact:

May be irritating to the skin causing a burning sensation, redness and/or swelling. Other adverse effects not expected from brief skin contact.

### Ingestion:

This material may be harmful or fatal if swallowed. Ingestion may result in vomiting; aspiration (breathing) of vomitus into lungs must be avoided as even small quantities may result in aspiration pneumonitis. Generally considered to have a low order of acute oral toxicity.

### Signs and Symptoms:

Irritation as noted above. Aspiration pneumonitis may be evidenced by coughing, labored breathing and cyanosis (bluish skin); in severe cases death may occur.

For additional health information, refer to section 11.

## SECTION 4 FIRST AID MEASURES

### Inhalation:

Move victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

### Skin:

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

### Eyes:

Flush eyes with plenty of water while holding eyelids open. Rest eyes for 30 minutes. If redness, burning, blurred vision or swelling occur, transport to nearest medical facility for additional treatment.

### Ingestion:

DO NOT take internally. Do NOT induce vomiting. If vomiting occurs

# Equiva Services – MSDS

spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get medical attention. In general no treatment is necessary unless large quantities are swallowed, however, get medical advice. Have victim rinse mouth out with water, then drink sips of water to remove taste from mouth.

## SECTION 5 FIRE FIGHTING MEASURES

Flash Point [Method]: 140 °F -150 °F/60 °C -65.56 °C [ Pensky-Martens Closed Cup]

### Extinguishing Media:

Material will float and can be re-ignited on surface of water. Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames. Do not use a direct stream of water.

### Fire Fighting Instructions:

**CAUTION! COMBUSTIBLE.** Clear fire area of all non-emergency personnel. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus. Container areas exposed to direct flame contact should be cooled with large quantities of water (500 gallons water per minute flame impingement exposure) to prevent weakening of container structure.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Protective Measures:

**CAUTION! COMBUSTIBLE.** Eliminate potential sources of ignition. Handling equipment must be bonded and grounded to prevent sparking.

Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

### Spill Management:

Shut off source of leak if safe to do so. Dike and contain spill.

**FOR LARGE SPILLS:** Remove with vacuum truck or pump to storage/salvage vessels.

**FOR SMALL SPILLS:** Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

### Reporting:

U.S. regulations require reporting releases of this material to the environment which exceed the reportable quantity to the National Response Center at (800)424-8802.

## SECTION 7 HANDLING AND STORAGE

### Precautionary Measures:

**CAUTION! COMBUSTIBLE.** Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

### Handling:

Surfaces that are sufficiently hot may ignite liquid material.

Air-dry contaminated clothing in a well-ventilated area before laundering.

### Storage:

Keep liquid and vapor away from heat, sparks and flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors have dissipated. Use explosion-proof ventilation indoors and in laboratory settings.

### Container Warnings:

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

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Dimethyl Benzene ACGIH TLV TWA: 100 ppmv STEL: 150 ppmv  
Dimethyl benzene OSHA PEL - 1989(revoked) TWA: 100 ppmv STEL: 150 ppmv  
Naphthalene ACGIH TLV TWA: 10 ppmv STEL: 15 ppmv  
Naphthalene OSHA PEL TWA: 10 ppmv  
Naphthalene OSHA PEL - 1989(revoked) TWA: 10 ppmv STEL: 15 ppmv

# Equiva Services – MSDS

## EXPOSURE CONTROLS

Adequate explosion-proof ventilation indoors and in laboratory settings to control airborne concentrations below the exposure guidelines/limits.

## PERSONAL PROTECTION

Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selection of eye, skin and respiratory protection for use 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 material. Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

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

Neoprene, or Nitrile Rubber

### Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Types of respirator(s) to be considered in the selection process include:

For Mist: Air Purifying, R or P style NIOSH approved respirator. For Vapors: Air Purifying, R or P style prefilter organic cartridge, NIOSH approved respirator. Self-contained breathing apparatus.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance Odor: Bright and clear liquid. Hydrocarbon odor

Substance Chemical Family: Lubricants

Appearance: Bright and clear liquid.

Dash Point: 140 °F - 150 °F [Pensky-Martens Closed Cup]

Pour Point: ~40 °F

Specific Gravity: 0.88

## SECTION 10 REACTIVITY AND STABILITY

### 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 conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Aromatic Hydrocarbons, Carbon Monoxide, Unidentified organic compounds and other unidentified organic compounds may be formed upon combustion.

## SECTION 11 TOXICOLOGICAL INFORMATION

### Acute Toxicity

Dermal LD50 > 2 g/kg(Rabbit) OSHA: Non-Toxic Based on components(s)  
Inhalation LC50 > 5 mg/l(Rat) OSHA: Non-Toxic Based on components(s)  
Oral LD50 > 5 g/kg(Rat) OSHA: Non-Toxic Based on components(s)

### Carcinogenicity Classification

Diesel Fuel Additive

NTP: No IARC: No ACGIH: No OSHA: No

## SECTION 12 ECOLOGICAL INFORMATION

### Environmental Impact Summary:

There is no ecological data available for this product.

# Equiva Services – MSDS

## SECTION 13 DISPOSAL CONSIDERATIONS

### RA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest EPA, state and local regulations regarding proper disposal.

## SECTION 14 TRANSPORT INFORMATION

### US Department of Transportation Classification

Proper Shipping Name: Combustible Liquid, N.O.S.  
Technical Name(s): Contains Kerosene, Petroleum Naphtha  
Identification Number: NA1993  
Hazard Class/Division: Combustible Liquid  
Packing Group: III  
Hazardous Substance/Material RQ: Naphthalene / 2616.1642 lbs  
\*Reclassified per 49 CFR Part 173.120 (b) (2) - For Land Transportation Only

Combustible Liquid: This material is not regulated under 49 CFR if in a container of 119 gallon capacity or less.  
Oil: This product is an oil under 49 CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.  
Emergency Response Guide # 128

### International Air Transport Association

Hazard Class/Division: 3 (Flammable Liquid)  
Identification Number: UN1993  
Packing Group: III  
Proper Shipping Name: Flammable Liquid, N.O.S.  
Technical Name(s): Contains Kerosene, Petroleum Naphtha

### International Maritime Organization Classification

Hazard Class/Division: 3 (Flammable Liquid)  
Identification Number: UN1993  
Packing Group: III  
Proper Shipping Name: Flammable Liquid, N.O.S.  
Technical Name(s): Contains Kerosene, Petroleum Naphtha

## SECTION 15 REGULATORY INFORMATION

### FEDERAL REGULATORY STATUS

OSHA Classification:  
Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Comprehensive Environmental Release, Compensation Liability Act (CERCLA):  
Dimethyl Benzene RQ 100 lbs Reportable Spill => 8289 lbs or  
1130 gal  
Naphthalene RQ 100 lbs Reportable Spill => 2616 lbs or 357 gal

Clean Air Act (CAA):  
This material is classified as a Hazardous Air Pollutant under the Clean Air Act (CAA).

Ozone Depleting Substances (40 CFR 82 Clean Air Act):  
This material does not contain nor was it directly manufactured with any Class 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:YES Pressure:NO  
Reactivity:NO

SARA Toxic Release Inventory (TRI) (313):  
Naphthalene, Dimethyl Benzene

Toxic Substances Control Act (TSCA) Status:  
All component(s) of this material is(are) listed on the EPA/TSCA Inventory of Chemical Substances.

This product may be subject to export notification under TSCA Section 12(b);  
Contains: 1-Hexanol, 2-ethyl-

# Equiva Services – MSDS

## Other Chemical Inventories:

Component(s) of this material is (are) listed on the Canadian DSL

## State Regulation

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

**WARNING:** This product contains a chemical(s) known to the State of California to cause cancer.

## New Jersey Right-To-Know Chemical List:

Dimethyl benzene 1 - 2.99 %weight Environmental Hazard  
Naphthalene (1322) 1 - 4.99 %weight

## Pennsylvania Right-To-Know Chemical List:

Dimethyl benzene 1 - 2.99 %weight Environmental Hazard  
Naphthalene (91-20-3) 1 - 4.99 %weight Environmental Hazard

## SECTION 16 OTHER INFORMATION

Revision#: 2

Revision Date: 03/05/2002

Revisions since last change (discussion): This Material Safety Data Sheet (MSDS) has been newly reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-1998). We encourage you to take the opportunity to read the MSDS and review the information contained therein.

## SECTION 17 LABEL INFORMATION

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS.

PRODUCT CODES: 55006

SHELL ROTELLA® Diesel Fuel Additive

## CAUTION!

COMBUSTIBLE LIQUID! MAY CAUSE SKIN IRRITATION. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE OIL ACNE OR DERMATITIS.

## Precautionary Measures:

Avoid prolonged or repeated contact with eyes, skin and clothing. Avoid heat and open flames. Avoid breathing of vapors, fumes, or mist. Do not take internally. Use only with adequate ventilation. Keep container closed when not in use. Wash thoroughly after handling.

## FIRST AID

Inhalation: Move victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

Skin Contact: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

Eye Contact: Flush eyes with plenty of water while holding eyelids open.

Rest eyes for 30 minutes. If redness, burning, blurred vision or swelling occur, transport to nearest medical facility for additional treatment.

Ingestion: DO NOT take internally. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Get medical attention. Have victim rinse mouth out with water, then drink sips of water to remove taste from mouth. In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

## FIRE

In case of fire, Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames. Do not use a direct stream of water. 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/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

CONTAINS: Solvent Naphtha, Heavy Aromatic, 64742-94-5; Kerosene, 8008-20-6; Additives, Mixture; Naphthalene, 91-20-3; Dimethyl Benzene, 1330-20-7

# Equiva Services – MSDS

NFPA Rating (Health, Fire, Reactivity): 1, 2, 0

## TRANSPORTATION

Department of Transportation Classification

Proper Shipping Name: Combustible Liquid, N.O.S.  
Technical Names (s): Contains Kerosene, Petroleum Naphtha  
Identification Number: NAI993  
Hazard Class/Division: Combustible Liquid  
Packing Group: III  
Hazardous Substance/Material RQ: Naphthalene / 2616.1642 lbs  
\*Reclassified per 49 CFR Part 173.120 (b) (2) - For Land Transportation Only

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Emergency Response Guide # 128

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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, Houston, TX.

77210-4453

Company Product Stewardship Regulatory Compliance Contact: Timothy W Childs  
Phone Number: (281) 874-7708

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

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