



**MATERIAL SAFETY DATA SHEET**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**MATERIAL IDENTITY**

**Product code and name:**

GEN10 RANDO HDZ OILS

**Chemical name and/or family or description:**

Hydraulic Oils

**Manufacturer's name and address:**

Fuel and Marine Marketing and its Affiliates

1500 Louisiana Street

Houston, TX 77002

Phone: (832) 854-6000

Transportation Emergency: CHEMTREC (USA) (800) 424-9300 or (703) 527-3887

Health Emergency: ChevronTexaco Emergency Information Center: Emergency

Information Centers are located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

MSDS Assistance (USA): (832) 854-6000

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**2. COMPOSITION/INFORMATION ON INGREDIENTS**

**Product and/or component(s)**

**Carcinogenic According to:**

NONE

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This Material Safety Data Sheet may be used for the following products for Hazard Communications purposes only, not intended to imply identical performance/technical specifications: 44497 Rando HDZ 15 42828 Rando HDZ 22 44498 Rando HDZ 32 40926 Rando HDZ 46 41141 Rando HDZ 68 41690 Rando HDZ 100

Products represented by this Material Safety Data Sheet may contain one or more of the following components in the concentration ranges listed below:

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<u>Name</u>	<u>Cas nr</u>	<u>Range in %</u>
Severely refined petroleum distillates. May contain any of the following CAS numbers: 64741-88-4, 64741-89-5, 64741-96-4, 64741-97-5, 64742-01-4, 64742-52-5, 64742-53-6, 64742-54-7, 64742-62-7, 64742-65-0, or 72623-83-7. 5.00 mg/m3 TWA-OSHA (MINERAL OIL MIST) 5.00 mg/m3 TWA-ACGIH (MINERAL OIL MIST) 10.00 mg/m3 STEL ACGIH (MINERAL OIL MIST)	-	0.01 - 94.99
Hydrotreated light paraffinic petroleum distillate 5.00 mg/m3 TWA-OSHA (MINERAL OIL MIST)	64742-55-8	0.01 - 94.99

5.00 mg/m3 TWA-ACGIH (MINERAL OIL MIST)  
10.00 mg/m3 STEL ACGIH (MINERAL OIL MIST)  
Additives - < 10

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PRODUCT IS NON-HAZARDOUS ACCORDING TO OSHA (1910.1200).

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### **3. HAZARD IDENTIFICATION**

#### **EMERGENCY OVERVIEW**

#### **WARNING STATEMENT**

ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE

#### **PRECAUTIONARY MEASURES:**

- Avoid prolonged breathing of vapor, mist, or gas.
- Workers should wash exposed skin several times daily with soap and water.

#### **HMIS**

Health:	0
Flammability:	1
Reactivity:	0
Special:	-

#### **NFPA**

Health:	0
Flammability:	1
Reactivity:	0
Special:	-

#### **Primary Route of Exposure:**

EYES

SKIN

INHALATION

#### **EFFECTS OF OVEREXPOSURE**

##### Acute:

##### Eyes:

May cause minimal irritation, experienced as temporary discomfort.

##### Skin:

Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort.

Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact, see other effects, below, and Section 11 for information regarding potential long term effects.

##### Inhalation:

Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.

##### Ingestion:

If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur. Aspiration may occur during swallowing or vomiting resulting in lung damage.

##### Sensitization Properties:

Believed not to be a sensitizer.

##### Chronic:

No adverse effects have been documented in humans as a result of chronic exposure. Section 11 may contain applicable animal data.

Medical Conditions Aggravated by Over Exposure:

Because of its irritating properties, repeated skin contact may aggravate an existing dermatitis (skin condition).

Other Remarks:

Material from high pressure equipment, pinhole leaks, or high pressure line failure can penetrate the skin and, if not properly treated, can cause severe injury, including disfigurement, loss of function, or even require amputation of the affected area. To prevent such serious injury, immediate medical attention should be sought even if the injection injury appears to be minor.

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#### **4. FIRST AID MEASURES**

Eyes:

Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

Skin:

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

Ingestion:

Do not induce vomiting. Obtain medical advice. Never give anything by mouth to an unconscious or convulsing person.

Inhalation:

If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

Other Instructions:

Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.

**Note to Physician:**

Aspiration of this product during induced emesis may result in severe lung injury. If evacuation of stomach is necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation. Contact a Poison Center for additional treatment information.

High pressure injection of material can cause severe injury. Failure to debride the wound of all residual material can result in disfigurement, loss of function, or may require amputation of the affected area.

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#### **5. FIRE-FIGHTING MEASURES**

Ignition Temperature - AIT (degrees C):

Not determined.

Flash Point (degrees C):

154-240.5 (COC)

Recommended Fire Extinguishing Agents and Special Procedures:

Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

Unusual or Explosive Hazards:

None

Extinguishing Media Which Must Not be Used:

Water jet.

Special Protective Equipment for Firefighters:

Wear full protective clothing and positive pressure breathing apparatus.

**FIRE:**

In case of fire, use water spray, dry chemical, foam or carbon dioxide. Water may cause frothing. Use water spray to cool fire-exposed containers.

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## **6. ACCIDENTAL RELEASE MEASURES**

**Procedures in Case of Accidental Release, Breakage or Leakage:**

Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

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## **7. HANDLING AND STORAGE**

**Precautions to be Taken in**

Handling:

Minimum feasible handling temperatures should be maintained.

Avoid prolonged or repeated contact with skin.

Storage:

Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

Keep containers closed.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Protective Equipment (Type)**

Eye/Face Protection:

Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

Skin Protection:

Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

Respiratory Protection:

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Ventilation:

Adequate to meet component occupational exposure limits (see Section 2).

Exposure Control for Total Product:

None established for product, refer to Section 2 for component exposure limits.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Pale liquid
Odor:	Petroleum oil odor
Specific Gravity (water=1):	.8628-.8708
Viscosity (degrees C):	16.7-100 cSt ( 40 )

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## **10. STABILITY AND REACTIVITY**

### **This material reacts violently with:**

Strong Oxidizers

### **Comments:**

None

### **Products Evolved When Subjected to Heat or Combustion:**

Carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

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### **Hazardous Polymerizations:**

No

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## **11. TOXICOLOGICAL INFORMATION**

### **TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)**

#### **Median Lethal Dose**

##### Oral:

LD50 Believed to be > 5.00 g/kg (rat) practically non-toxic

##### Inhalation:

Not determined.

##### Dermal:

LD50 Believed to be > 2.00 g/kg (rabbit) practically non-toxic

#### **Irritation Index, Estimation of Irritation (Species)**

##### Skin:

(Draize) Believed to be < 0.5 /8.0 (rabbit) no appreciable effect

##### Eyes:

(Draize) Believed to be < 15 /110 (rabbit) no appreciable effect

##### Sensitization:

Not determined.

##### Other:

None

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## **12. DISPOSAL CONSIDERATIONS**

### Waste Disposal Methods:

Dispose of this product in accordance with local and/or national regulations.

### US/RCRA Waste Disposal Methods:

This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of

the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

Remarks:

None

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### **13. TRANSPORT INFORMATION**

<u>DOT:</u>	Not regulated
<u>IMDG:</u>	Not regulated
<u>ICAO:</u>	Not regulated
<u>TDG:</u>	Not regulated
<u>ADR/RID</u>	Not regulated

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### **14. REGULATORY INFORMATION**

**Regulatory Information:**

SARA 311 Hazard Categorization:

N/A

WHMIS:

Not regulated

Regulatory Comments:

This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).

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### **15. ENVIROMENTAL INFORMATION**

Aquatic Toxicity:

Not classified as toxic.

Mobility:

Spillages may penetrate the soil causing ground water contamination.

Persistence and Biodegradability:

According to European Union criteria: Not readily biodegradable.

Potential to Bioaccumulate:

Considered unlikely to bioaccumulate.

Remarks:

Believed not to represent a long-term danger to the aquatic environment.

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### **16. OTHER INFORMATION**

Other Information:

None

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## 17. PRODUCT LABEL

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Additives	-	< 10

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-Workers should wash exposed skin several times daily with soap and water.

### HMIS

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0

Flammability:

1

Reactivity:

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Special:

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### NFPA

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Flammability:

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Reactivity

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Special:

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### Eyes:

Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

### Skin:

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

Ingestion:

Do not induce vomiting. Obtain medical advice. Never give anything by mouth to an unconscious or convulsing person.

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If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

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**FIRE:**

In case of fire, use water spray, dry chemical, foam or carbon dioxide. Water may cause frothing. Use water spray to cool fire-exposed containers.

**DOT:**

Not regulated

**Manufacturer's name and address:**

Fuel and Marine Marketing and its Affiliates  
1500 Louisiana Street  
Houston, TX 77002  
Phone: (832) 854-6000

**Telephone numbers:**

Transportation Emergency: CHEMTREC (USA) (800) 424-9300 or (703) 527-3887  
Health Emergency-Company: (800) 231-0623 or (510) 231-0623

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Product Code :

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Date Issued : 17/11/2004

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

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