



Global Marine Products



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### MATERIAL IDENTITY

**Product code and name:**

GEN25 DELO 1000 MARINE OILS

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

Marine Oils

**Manufacturer's name and address:**

Chevron Marine Products LLC

44 South Broadway

White Plains, NY 10601

United States of America

Phone: (914) 285-7300

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): 914-285-7300

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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: 40703 Delo 1000 Marine 30 40704 Delo 1000 Marine 40 41687 Delo 1000 Marine 50

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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/m <sup>3</sup> TWA-OSHA (MINERAL OIL MIST) 5.00 mg/m <sup>3</sup> TWA-ACGIH (MINERAL OIL MIST) 10.00 mg/m <sup>3</sup> STEL ACGIH (MINERAL OIL MIST)	-	> 75
Additives	-	< 25
Zinc alkyl dithiophosphate	68649-42-3	< 1

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

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### **3. HAZARD IDENTIFICATION**

#### **EMERGENCY OVERVIEW**

##### **WARNING STATEMENT**

NONE CONSIDERED NECESSARY

##### **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 defatting properties, prolonged and repeated skin contact may aggravate an existing dermatitis (skin condition).

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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:

If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.

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.

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

- Ignition Temperature - AIT (degrees C):

Not determined.

Flash Point (degrees C):

> 204 (COC)

Flammable Limits (%):

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:                 | Brown liquid            |
| Odor:                       | Not determined          |
| Specific Gravity (water=1): | 0.89 - 0.91             |
| Viscosity (degrees C):      | 11.5 - 18.6 cSt ( 100 ) |
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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.
    - 
    - Hazardous Polymerizations:  
No
- 

## **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
- 

## **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:  
Acute  
Regulated Chemicals:  
Zinc alkyl dithiophosphate  
CAS 68649-42-3 | % <1.0 | RQ | TPQ  
SARA 302/304 : | SARA 313 : X | CERCLA :  
WHMIS:  
Not determined  
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. ENVIRONMENTAL 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:

May cause long-term adverse effects in the aquatic environment.

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**16. OTHER INFORMATION**

- Other Information:  
None

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**17. PRODUCT LABEL**

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Skin:

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

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Inhalation:

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

**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:**

Chevron Marine Products LLC  
44 South Broadway  
White Plains, NY 10601  
United States of America  
Phone: 914-285-7300

**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 : 16/11/2004

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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THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD COMMUNICATION AS PART OF THE COMPANY'S PRODUCT STEWARDSHIP PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. DATA SHEETS ARE AVAILABLE FOR ALL THE COMPANY'S PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL THE COMPANY'S PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE AND YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN. TO DETERMINE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, USER SHOULD CONSULT HIS LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. THE COMPANY DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.

