



# Gulf EDM Super Fluid

## SDS - Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Gulf EDM Super Fluid  
**Other means of identification:** Metalworking Fluid  
**SDS Number:** 335460  
**CAS Number:** Blend  
**CHEMTREC:** EMERGENCY CONTACT 1-800-424-9300

**Supplier:**  
Nu-Tier Brands, Inc., Tulsa, OK  
Under License from Gulf Oil LP  
TECHNICAL CONTACT NUMBER: 918-550-8026, Ext. 507  
www.gulflubricants.net

### 2. HAZARDS IDENTIFICATION

**OSHA/HCS STATUS:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**CLASSIFICATION(S):**

Aspiration Hazard Category 1

**SIGNAL WORD:**

Danger



**SYMBOL(S):**

**HAZARD STATEMENT(S):**

May be fatal if swallowed and enters airways

**PRECAUTIONARY STATEMENT(S):**

**GENERAL PRECAUTIONARY STATEMENT(S):**

Keep out of reach of children.  
Read label before use.  
If medical advice is needed, have product container or label at hand.  
Wash with plenty of soap and water.

**PREVENTION PRECAUTIONARY STATEMENT(S):**

Not applicable.

**RESPONSE PRECAUTIONARY STATEMENT(S):**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
Do NOT induce vomiting.

**STORAGE PRECAUTIONARY STATEMENT(S):**

Store Locked up  
Store in a dry place.  
Store in a closed container.

**DISPOSAL PRECAUTIONARY STATEMENT(S):**

Dispose of contents/containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

#### Hazard Rating

	HMIS	NFPA
Health	1	1
Flammability	1	1
Reactivity	0	0
Personal Protection	B	--



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Amount %
Synthetic Base Oil	Proprietary	97-99%
Additives	Proprietary	<3%

Any concentration shown as a range is to protect the confidentiality of formulation which is considered a trade secret.

### 4. FIRST AID MEASURES

#### EYE CONTACT FIRST AID:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs, get medical assistance.

#### SKIN CONTACT FIRST AID:

Wash skin with plenty of soap and water while removing contaminated clothing and shoes.

#### INHALATION FIRST AID:

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

#### INGESTION FIRST AID:

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

#### NOTES TO PHYSICIAN:

Aspiration may cause pulmonary edema and pneumonitis. Treat Symptomatically.

### 5. FIREFIGHTING MEASURES

#### FLAMMABLE PROPERTIES

Flash Point (Typical) Method: 118 °C (244 °F)

Autoignition Temperature: N/A

#### NFPA FLAMMABILITY CLASSIFICATION:

NFPA Class-IIIB combustible material.

#### FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

#### EXTINGUISHING MEDIA:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### UNSUITABLE EXTINGUISHING MEDIA:

No information available.

#### FIRE & EXPLOSION HAZARDS:

Cool closed containers exposed to fire with water spray.

#### FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

#### COMBUSTION PRODUCTS:

Carbon oxides (CO, CO<sub>2</sub>), smoke and irritating vapours as products of incomplete combustion.



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### 6. ACCIDENTAL RELEASE MEASURES

**SAFEGUARDS (PERSONNEL):**

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Material can create slippery conditions.

**ENVIRONMENTAL PRECAUTIONS:**

Do not allow uncontrolled discharge of product into the environment.  
Absorb spills with inert material.

**MISCELLANEOUS:**

Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Soak up with inert absorbent material. Non-sparking tools should be used. Ensure adequate ventilation. Treat or dispose of in accordance with all federal, state, and local requirements.

### 7. HANDLING AND STORAGE

**HANDLING (PERSONNEL):**

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

**HANDLING (PHYSICAL ASPECTS):**

Secure container after each use. Store in a cool dry area.  
Avoid contact with strong oxidizing agents.

**STORAGE PRECAUTIONS:**

Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	Source	Type	mg/m <sup>3</sup>
Oil Mist, Mineral	ACGIH	TWA (Inhalable fraction)	5 mg/m <sup>3</sup>
Oil Mist, Mineral	ACGIH	STEL (Mist)	10 mg/m <sup>3</sup>
Oil Mist	OSHA Z1A	TWA (Mist)	5 mg/m <sup>3</sup>

**ENGINEERING CONTROLS:**

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**EYE / FACE PROTECTION REQUIREMENTS:**

Wear face-shield and protective suit for abnormal processing problems.

**SKIN PROTECTION REQUIREMENTS:**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

**RESPIRATORY PROTECTION REQUIREMENTS:**

Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**GENERAL COMMENTS:**

Remove and wash contaminated clothing and gloves, including the inside, before re-use.



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Wash face, hands and any exposed skin thoroughly after handling. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Odor:	Mild Petroleum
Vapor Pressure:	Less than 0.1 mm Hg at 68°F (20°C)
Vapor Density:	Heavier than air (Air = 1)
Autoignition temperature:	No data available
Specific gravity:	.7620 Approximately
Density:	6.35 / lb Approximately
Melting Point:	No data available
Initial Boiling Point:	No data available
Boiling Range:	No data available
Viscosity:	2.8 cSt at 40 °C
Flash Point:	244°F

### 10. STABILITY AND REACTIVITY

#### STABILITY:

Stable under normal conditions.

#### POLYMERIZATION:

Hazardous polymerization will not occur.

#### INCOMPATIBILITY WITH OTHER MATERIALS:

Strong oxidizing materials

#### DECOMPOSITION:

May release CO<sub>x</sub>, smoke and irritating vapors when heated to decomposition.

#### CONDITIONS TO AVOID:

Excessive heat. Avoid all sources of ignition.

### 11. TOXICOLOGICAL INFORMATION

#### GENERAL INFORMATION:

Based on data on the components and the toxicology of similar materials

#### ROUTES OF ENTRY:

Skin, Eyes, Ingestion, and Inhalation.

#### ACUTE EXPOSURE:

#### EYE IRRITATION:

Not expected to cause eye irritation. Based on data from components or similar materials.

Vapors may cause irritation.

#### SKIN IRRITATION:

Slightly irritating based on data from components or similar materials. Prolonged or repeated skin contact without proper hygiene may result in skin disorders such as acne.

#### RESPIRATORY IRRITATION:

Based on data from components and similar materials, Inhalation of vapors or mists may cause irritation.



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**DERMAL TOXICITY:**

Expected to be of low toxicity: LD50 > 5000 mg/kg, Rabbit

**ORAL TOXICITY:**

Expected to be of low toxicity: LD50 > 5000 mg/kg, Rat

**INHALATION TOXICITY:**

Based on data from components and similar materials, product is not considered to be an inhalation hazard under normal conditions of use.

**SENSITISATION:**

Component concentrations in this formulation would not be expected to cause skin sensitization, based on tests of the components or similar formulations.

**CHRONIC EXPOSURE:****CHRONIC TOXICITY:**

No data available to indicate product or components present at greater than 1% are chronic health hazards.

**CARCINOGENICITY:**

Product contains mineral and/or synthetic oils shown to be noncarcinogenic in laboratory studies with the same or similar materials. Mineral and synthetic oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

**MUTAGENICITY:**

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**REPRODUCTIVE TOXICITY:**

No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

**TERATOGENICITY:**

No data available to indicate either product or components present at greater than 0.1% that may cause birth defects.

**ADDITIONAL INFORMATION:**

No other health hazards known.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:**

Ecological Toxicity data has not been determined specifically for this product. The ecological toxicity hazard is based on an evaluation of data for the components or a similar material. This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

**ENVIRONMENTAL FATE**

This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. This product contains components which may be persistent in the environment.



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### 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**

Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. This product, if discarded, is not considered a hazardous waste.

### 14. TRANSPORTATION INFORMATION

**PRODUCT LABEL:** Gulf EDM Super Fluid

**D.O.T SHIPPING:**

Not Regulated

**INTERNATIONAL REGULATIONS**

**IMDG:**

Not regulated as a dangerous good

**IATA:**

Not regulated as a dangerous good

**TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE**

Not applicable for product as supplied.

**NATIONAL REGULATIONS**

**49 CFR:**

Not regulated as a dangerous good

Not applicable for product as supplied.

### 15. REGULATORY INFORMATION

**OSHA Hazard Communication Standard:**

The classification of this material is based on OSHA HCS 2012 criteria.

**UNITED STATES INVENTORY (TSCA):**

All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

**CANADA INVENTORY (DSL):**

On the inventory, or in compliance with the inventory

**EUROPE INVENTORY (EINECS):**

On the inventory, or in compliance with the inventory

### 16. OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Nu-Tier Brands, Inc. The data on this sheet are related only to the specific material designated herein. Nu-Tier Brands, Inc. assumes no legal responsibility for use or reliance upon these data.

**END OF MSDS**