

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: ECOSE® EDM Fluid
Other means of identification: Metalworking fluid
SDS Number: 535450
CAS Number: Blend
CHEMTREC: 1-800-424-9300 (For emergencies)

Supplier:
 Nu-Tier Brands, Inc.
 8282 S. Memorial Dr., Suite 302
 Tulsa, OK 74133
 1-877-771-5823 (For Product Information)
 www.nu-tierbrands.com

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	--

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Amount %
White mineral oil	8042-47-5	0-100%

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: 135 °C (275 °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, CO₂), smoke and irritating vapours as products of incomplete combustion.

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	ACGIH	OSHA Z-1, PO	NIOSH
White mineral oil (petroleum)	TWA: 5mg/m ³ (Inhalable fraction)	TWA: 5mg/m ³ As Oil Mist, if Generated	TWA: 5mg/m ³ STEL: 10mg/m ³ As Oil Mist, if Generated

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.

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:	No data available
Vapor Density:	No data available
Autoignition temperature:	No data available
Specific gravity:	.8198 Approximately
Density:	6.83/lb Approximately
Melting Point:	No data available
Initial Boiling Point:	No data available
Boiling Range:	No data available
Viscosity:	3.7 cSt at 40°C
Flash Point:	275°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_x, smoke and irritating vapors when heated to decomposition.

CONDITIONS TO AVOID:

No data available.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

Eye contact, Ingestion, Inhalation, Skin contact:

PRODUCT:**ACUTE ORAL TOXICITY:**

Remarks: No data available

ACUTE INHALATION TOXICITY:

Remarks: No data available

ACUTE DERMAL TOXICITY:

Remarks: No data available

COMPONENTS:**White mineral oil (petroleum):****ACUTE ORAL TOXICITY:**

LD50 (Rat): > 5,000 mg/kg,

ACUTE INHALATION TOXICITY:

LC50 (Rat): > 5.2 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

ACUTE DERMAL TOXICITY:

LD50 (Rabbit): > 2,000 mg/kg,

SKIN CORROSION/IRRITATION**PRODUCT:**

Remarks: No data available

SERIOUS EYE DAMAGE/EYE IRRITATION**PRODUCT:**

Remarks: No data available

RESPIRATORY OR SKIN SENSITIZATION

No data available

GERM CELL MUTAGENICITY

No data available

CARCINOGENICITY

No data available

REPRODUCTIVE TOXICITY

No data available

STOT - SINGLE EXPOSURE

No data available



EDM Fluid

SDS - Safety Data Sheet

STOT - REPEATED EXPOSURE

No data available

12. ECOLOGICAL INFORMATION

ECOTOXICITY

PRODUCT:

TOXICITY TO FISH:

Remarks: No data available

TOXICITY TO DAPHNIA AND OTHER AQUATIC INVERTEBRATES:

Remarks: No data available

TOXICITY TO ALGAE:

Remarks: No data available

TOXICITY TO BACTERIA:

Remarks: No data available

PERSISTENCE & DEGRADABILITY

Not Available

BIOACCUMULATION POTENTIAL

Not Available

SOIL MOBILITY

Not Available

OTHER ADVERSE EFFECTS

Not Available

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: Gulfcut® No-Rust® WB

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.



EDM Fluid

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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