

SAFETY DATA SHEET

PRODUCT NAME : EDM SUPER SUPREME EU

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form: Mixture
Trade name: EDM Super WSupreme EU
Product code: 10241 (EDM Super Supreme EU) /10240 (EDM Super Supreme)

1.2 Relevent identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture: Di-electric and transformer fluid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Erodex (UK) Ltd, Park Road,
Halesowen, West Midlands
B63 2RH
+44 (0)1384 892011
www.erodex.com
sales@erodex.com

1.4. Emergency telephone number

Emergency number: (613) 996-6666 (24 hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Show CLP information only

Asp. Tox. 1 H304

Full text of H-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP):

Danger

Hazardous ingredients:

Alkanes, C14-16, lubricating oil, petroleum, C15-30 hydrotreated neutral oil-based

Hazard statements (CLP):

H304- May be fatal if swallowed and enters airways

Precautionary statements (CLP):

P301+P310- IF SWALLOWED: Immediately call a doctor, a POISON CENTRE
 P331- Do NOT induce vomiting
 P405- Store locked up
 P501- Dispose of contents/container to comply with applicable local, national and international regulation.

2.3. Other hazards

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alkanes, C14-16	(CAS No) 90622-46-1 (EC no) 292-448-0	75- 85	Asp. Tox. 1, H304
Distillates, petroleum, hydrotreated light paraffinic	(CAS No) 72623-86-0 (EC no) 276-7370-9 (REACH #: 01-2119474878-16-0001)	15- 25	Asp. Tox. 1, H304

Full text of R- and H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation:

Allow victim to breathe fresh air. Allow the victim to rest. Seek medical attention immediately.

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First-aid measures after skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation persists, seek medical attention.
First-aid measures after eye contact:	Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist. Rinse immediately with plenty of water.
First-aid measures after ingestion:	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation:	High concentration of vapours may induce: headache, dizziness, drowsiness, nausea and vomiting.
Symptoms/injuries after skin contact:	May cause skin irritation.
Symptoms/injuries after eye contact:	May cause eye irritation.
Symptoms/injuries after ingestion:	May be fatal if swallowed and enters airways.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:	Foam. Dry powder. Carbon dioxide. Water spray. Foam. Dry powder. Water spray. Sand.
Unsuitable extinguishing media:	Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard:	Combustion generates : carbon oxides (CO and CO ₂). Fumes. Flammable in presence of open flames, sparks and static discharge.
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5.3. Advice for firefighters

Firefighting instructions:	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters:	Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Evacuate personnel to a safe area. Provide adequate ventilation to minimize dust and/or vapour concentrations. Do not allow the product to be released into the environment. Relevant water authorities should be notified of any large spillage to water course or drain.

6.1.1. For non-emergency personnel

Protective equipment: Wear suitable protective clothing gloves, and eye/face protection.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip clean up crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Thoroughly wash the area with water after a spill or leak clean-up. Do not allow to enter into surface water or drains. Store away from other materials. Collect all waste in suitable and labelled containers and dispose according to local legislation. Consult the appropriate authorities about waste disposal.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.

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Hygiene measures:

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Remove all contaminated clothing and footwear. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:	Keep only in the original container in a cool, well ventilated place away from: keep away from incompatible materials. Keep container closed when not in use. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible products:	Strong oxidizing agents.
Storage temperature:	9 °C
Packaging materials:	Carbon steel. stainless steel. PE (polyethylene). polypropylene. Polyester. Teflon. This material may attack some forms of plastics, rubbers and coatings.

7.3. Specific end use(s)

No additional information available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

2,6-di-tert-butyl-p-cresol (128-37-0)

Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³
Ireland	OEL (15 min ref) (mg/m ³)	30 mg/m ³ (calculated)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	30 mg/m ³ (calculated)

8.2. Exposure controls

Appropriate engineering controls:	Either local exhaust or general room ventilation is usually required. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal protective equipment:	Protective goggles. Gloves. Protective clothing. Avoid all unnecessary exposure.
Hand protection:	Wear protective gloves. nitrile. Rubber gloves.
Eye protection:	Chemical goggles or safety glasses.
Skin and body protection:	Chemical resistant safety shoes. Wear suitable protective clothing.
Respiratory protection:	An approved organic vapour respirator/supplied air or self-contained breathing apparatus must be used when vapour concentration exceeds applicable exposure limits.



Other information:

Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Clear.
Colour:	Colourless.
Odour:	Odourless.
Odour threshold:	No data available
pH:	No data available
Relative evaporation rate (butyl acetate=1):	< 0.1
Melting point:	No data available
Freezing point:	<-10 °C
Boiling point:	> 270 °C
Flash point:	> 120 °C
Auto-ignition temperature:	> 220 °C
Decomposition temperature:	No data available
Flammability (solid, gas):	Non flammable
Vapour pressure:	< 1 mm Hg (20°C)
Relative vapour density at 20 °C:	> 1 (Air = 1)
Relative density:	0.73 (water =1)
Solubility:	insoluble.
Water:	< 0.0022 mg/l (20°C)
Log Pow:	No data available
Viscosity, kinematic:	3 cSt (40°C)
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	0.6- 7 vol %

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

On incomplete combustion releases : Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Not classified

Based on available data, the classification criteria are not met

EDM Super Supreme™ EU

LD50 dermal rat	> 2000 mg/kg
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Alkanes, C14-16 (90622-46-1)

LD50 oral rat	> 5250 mg/kg
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LD50 dermal rabbit	> 2000 mg/kg
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LC50 inhalation rat (mg/l)	> 5.8 mg/l/4h
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Lubricating Oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

LC50 inhalation rat (mg/l) >5000 mg/m³ (Exposure time: 4 h)

Skin corrosion/irritation:	Not classified (none of the components is classified for skin corrosion&irritation) Based on available data, the classification criteria are not met
Serious eye damage/irritation:	Not classified (none of the components is classified for eye damage/irritation) Based on available data, the classification criteria are not met
Respiratory or skin sensitisation:	Not classified (none of the components is classified for respiratory or skin sensitization) Based on available data, the classification criteria are not met
Germ cell mutagenicity:	Not classified (No classification for mutagenicity as none of the components is classified for mutagenicity) Based on available data, the classification criteria are not met
Carcinogenicity:	Not classified (The classification as a carcinogen need not apply because the substance contains less than 3 % DMSO extract as measured by IP 346 "Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method", Institute of Petroleum, London) Based on available data, the classification criteria are not met
Reproductive toxicity:	Not classified (No classification for reproduction as none of the components is toxic for reproduction) Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure):	Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity single exposure) Based on available data, the classification criteria are not met

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Specific target organ toxicity (repeated exposure):

Not classified (None of the components shows specific effects in acute toxicity studies requiring classification for Specific Target Organ Systemic Toxicity repeated exposure)

Based on available data, the classification criteria are not met

Aspiration hazard:

May be fatal if swallowed and enters airways.

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Viscosity, kinematic 3 mm²/s (40°C)

Potential Adverse human health effects and symptoms:

Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology- general:

Ecological problems are not known or expected under normal use.

Lubricating Oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0)

Algae NOEC >=100 mg/l (Exposure time: 72 h)

12.2. Persistence and degradability

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Persistence and degradability Readily biodegradable

12.3. Bioaccumulative potential

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Bioaccumulative potential Bioaccumulation not expected to occur

12.4. Mobility in soil

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Ecology- soil Floats on water

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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information: Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste disposal recommendations: Dispose of contents/container to permitted/approved incineration facility in accordance with local and national regulations.

Ecology- waste materials Avoid release to the environment

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / ADN / IMDG / ICAO / IATA

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR): Not applicable

Proper Shipping Name (IMDG): Not applicable

Proper Shipping Name (IATA): Not applicable

Proper Shipping Name (ADN): Not applicable

Proper Shipping Name (RID): Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR): Not applicable

IMDG

Transport hazard class(es) (IMDG): Not applicable

IATA

Transport hazard class(es) (IATA): Not applicable

ADN

Transport hazard class(es) (ADN): Not applicable

RID

Transport hazard class(es) (RID): Not applicable

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14.4. Packing group

Packing group (ADR):	Not applicable
Packing group (IMDG):	Not applicable
Packing group (IATA):	Not applicable
Packing group (ADN):	Not applicable
Packing group (RID):	Not applicable

14.5. Environmental hazards

Dangerous for the environment:	No
Marine pollutant:	No
Other information:	No supplementary information available

14.6. Special precautions for user

14.6.1. Overland transport

No additional information available

14.6.2. Transport by sea

No additional information available

14.6.3. Air transport No additional information available

14.6.4. Inland waterway transport

Not subject to ADN: No

14.6.5. Rail transport

Carriage prohibited (RID): No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions
EDM Super Supreme EU is not on the REACH Candidate List
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

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Other information, restriction and prohibition regulations:

Compliance with following regulations: Regulation (EC) 1272/2008 as amended. Regulation (EC) 1907/2006 as amended.

15.1.2. National regulations

Listed on the AICS (Australian Inventory of Chemical Substances)

Listed on the Canadian DSL (Domestic Substances List)

Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory

Listed on KECI (Korean Existing Chemicals Inventory)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Indication of changes:

The following sections were revised: 9.1 Flash point was revised.

Abbreviations and acronyms:

ATE- acute toxicity estimate	PEL- Permissible Exposure Level
BCF- bioconcentration factor	STEL- Short-Term Exposure Limit
CAS- Chemical Abstracts Service	SDS- Safety Data Sheet
CLP- Classification, Labelling and Packaging	REACH- Registration, Evaluation, Authorisation and Restriction of Chemicals
CSR- Chemical Safety Report	TLV- Threshold Limit Value
GHS- Globally Harmonised System	TWA- Time Weighted Average
MSDS- Material Safety Data Sheet	vPvB- Very Persistent and Very Bioaccumulative
Overland transport (ADR)	UVCB- Substances of Unknown or Variable composition, Complex reaction products or Biological materials
PBT- Persistent, Bioaccumulative and Toxic substance	

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Sources of Key data:

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information:

Classification of mixture is in accordance with calculation methods of regulation (EC) 1272/2008 CLP.

Classification according to Regulation (EC) No. 1272/2008

Classification procedure

Asp. Tox. 1

Calculation method

Full text of R-, H- and EUH-phrases:

Asp. Tox. 1

Aspiration hazard, Category 1

H304

May be fatal if swallowed and enters airways

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product