

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Revision date / valid from 2023/10/05 Print Date 2023/10/05 Version 3.2

2nd Revision date 19/06/2025 Print date 19/06/2025 Version 3.3

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : PowerModel Jet Smoke Oil

Product Code : LU07 and LU08

Substance name : Smoke oil
Odourant : < 0.004
Colourant : < 0.0003

UFI : YJ40-109J-R00Q-JUPG

Index-No. : 649-482-00-X CAS-No. : 72623-86-0 EC-No. : 276-737-9

EU REACH-Reg. No. : 01-2119474878-16-xxxx

REACH Status : Each component of the product is either registered or

exempted from registration obligations according to REACH

Regulation (EC) No 1907/2006

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the : WHITE smoke oil for RC model jets

Substance/Mixture

Uses advised against : At this moment we have not identified any uses advised

against

1.3. Details of the supplier of the safety data sheet

Company : Deluxe Materials Ltd.,

Unit 12/13 Cufaude Business park, Cufaude Lane,

Bramley, Hampshire RG26 5DL England

Telephone : +44(0)1256 883944

E-mail address : john@deluxematerials.com

GPSR EU Representative : Authorised Rep Compliance Ltd., Ground Floor

71 Lower Baggot Street, Dublin, D02 P593, Ireland

www. arc compliance. com

1.4. Emergency telephone number

Emergency telephone : Emergency number: +44 (0)1256 883944 (Mon-Fri office hours)

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation S.I. 2019/720 (GB CLP)

Regulation S.I. 2019/720 (GB CLP)			
Hazard class	Hazard category	Target Organs	Hazard statements
Aspiration hazard	Category 1		H304

For the full text of the H-Statements mentioned in this Section, see Section 16.

Most important adverse effects

Human Health : See section 11 for toxicological information.

Inhalation may cause irritation to the nose, throat, upper

respiratory tract and lungs.

Repeated exposure may cause skin dryness or cracking.

May be fatal if swallowed.

Physical and chemical

hazards

Potential environmental :

effects

See section 9/10 for physicochemical information.

See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation S.I. 2019/720 (GB CLP)

Hazard symbols



Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters

airways.

Precautionary statements

General : P102 Keep out of reach of children.

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Response : P331 Do NOT induce vomiting.

P301 + P310 IF SWALLOWED: Immediately call a

POISON CENTER/doctor.

Storage : P405 Store locked up.

Disposal : P501 Dispose of contents/ container to an

approved waste disposal plant.

Hazardous components which must be listed on the label:

· Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified

Other labelling information:

Further information : Keep out of the reach of children.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Classification (Regulation S.I. 2019/720 (GB CLP))

Hazardous components Amount [%]

Hazard class / Hazard category Hazard statements

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified

Index-No. : 649-482-00-X <= 100 Asp. Tox.1 H304

CAS-No. : 72623-86-0

EC-No. : 276-737-9 Note L EU REACH- : 01-2119474878-16-xxxx

Reg. No.

Remarks : DMSO extract < 3%

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. This note applies only to certain complex oil derived substances in

Annex I.

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the Notes mentioned in this Section, see Section 16.



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SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Remove from exposure, lie down. Take off all contaminated

clothing immediately.

If inhaled : Remove to fresh air. If breathing is irregular or stopped,

administer artificial respiration. If unconscious place in recovery position. Consult a physician after significant

exposure.

In case of skin contact : Wash off immediately with soap and plenty of water. If skin

irritation persists, call a physician.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids,

for at least 5 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible. If easy to do, remove

contact lens, if worn.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately. If a person vomits when lying on his back, place him in the recovery

position.

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

Symptoms : See Section 11 for more detailed information on health effects

and symptoms.

Effects : See Section 11 for more detailed information on health effects

and symptoms.

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

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing

Use water spray, alcohol-resistant foam, dry chemical or

media

carbon dioxide.

Unsuitable extinguishing

High volume water jet

media



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Special hazards arising from the substance or mixture 5.2.

Specific hazards during

firefighting

The vapour may be invisible, heavier than air and spread along ground. Vapours may form explosive mixtures with air. Flash back possible over considerable distance. The product is insoluble and floats on water. In case of fire hazardous decomposition products may be produced such as: Carbon monoxide, Carbon dioxide (CO2)

5.3. Advice for firefighters

Special protective

equipment for firefighters

In the event of fire, wear self-contained breathing

apparatus. Wear appropriate body protection (full protective

suit)

Further advice

Cool closed containers exposed to fire with water spray. Heating will cause a pressure rise - with risk of bursting. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Keep away unprotected

persons. Provide adequate ventilation. Keep away from heat and sources of ignition. Avoid contact with skin and eyes. Do

not breathe vapours or spray mist.

Environmental precautions

Environmental precautions

: Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up

containment and cleaning

up

Methods and materials for : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Further information : Treat recovered material as described in the section "Disposal

considerations".

Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on personal protective equipment.

See Section 13 for waste treatment information.



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation. Use

personal protective equipment. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. Emergency eye wash fountains and emergency showers should be

available in the immediate vicinity.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking,

eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off

all contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Requirements for storage : Keep in an area equipped with solvent resistant flooring. Keep

only in the original container.

Advice on protection against fire and explosion

: Keep away from sources of ignition - No smoking. The vapour may be invisible, heavier than air and spread along ground.

Vapours may form explosive mixtures with air. Take measures to prevent the build up of electrostatic charge. Use only in an

area containing explosion proof equipment.

Further information on storage conditions

: Keep tightly closed in a dry and cool place. Keep away from direct sunlight. Keep away from heat. Keep in a well-ventilated

place.

Advice on common

storage

: Incompatible with oxidizing agents. Keep away from food,

drink and animal feedingstuffs.

Suitable packaging

materials

: Stainless steel, Mild steel

7.3. Specific end use(s)

Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other Occupational Exposure Limit Values



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(Additional) Information : Contains no substances with occupational exposure limit values.

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

Use only in well-ventilated areas.

Personal protective equipment

Respiratory protection

Advice : In case of insufficient ventilation, wear suitable respiratory

equipment.

Combination filter: A-P2

In the case of aerosol or mist formation use respirator with an

approved filter.

Filter Type : Combination filter: A-P2

Hand protection

Advice : Wear suitable gloves.

The glove material has to be impermeable and resistant to the

product / the substance / the preparation.

As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be

tested before use.

Protective gloves should be replaced at first signs of wear.

Material : Nitrile rubber

Material : PVC

Eye protection

Advice : Tightly fitting safety goggles (EN166)

Skin and body protection

Advice : Solvent resistant protective clothing

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

If the product contaminates rivers and lakes or drains inform



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respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

liquid Physical state liquid Colour colourless

Odour : practically odourless : No data available Odour Threshold

: < -42 °C Melting point/range

Method: ASTM D 97-66

Initial boiling point and boiling : 270 - 380 °C

range

Flammability : No data available

Upper explosion limit / Upper : No data available

flammability limit

Lower explosion limit / Lower : No data available

flammability limit

Flash point : > 150 °C

Method: ASTM D 93

Auto-ignition temperature : No data available

: No data available Decomposition temperature

Self-Accelerating

decomposition temperature

(SADT)

рН : Not applicable

Viscosity

Viscosity, dynamic : 12 mPa.s (20 °C)

50 mPa.s (-8 °C)

: No data available

7.5 mm2/s (40 °C) Viscosity, kinematic

Method: ASTM D 445

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Flow time : No data available

Solubility(ies)

Water solubility insoluble

Solubility in other solvents : No data available

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Dissolution Rate : No data available

Partition coefficient: n-

octanol/water

: Pow: > 6

Dispersion Stability : No data available

Vapour pressure : < 0.1 hPa (20 °C)

Relative density : 0.82 (15 °C)

Method: ASTM D-4052

Density : No data available

Bulk density : No data available

Relative vapour density : No data available

Particle characteristics No data available

9.2 Other information

Explosives : Formation of explosive air/vapour mixtures is possible.

SECTION 10: Stability and reactivity

10.1. Reactivity

Advice : Stable under recommended storage conditions.

10.2. Chemical stability

Advice : No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

Hazardous reactions : None known.

10.4. Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5. Incompatible materials

Materials to avoid : Strong acids, Strong oxidizing agents

10.6. Hazardous decomposition products

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Hazardous decomposition : No hazardous decomposition products are known. products

SECTION 11: Toxicological information

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11.1. Information on the hazard classes within the meaning of Regulation (EC) No. 1272/2008

	Acute toxicity
	Oral
LD50 :	> 5000 mg/kg (Rat) (OECD Test Guideline 401)
	Inhalation
LC50 :	> 5.53 mg/l (Rat; 4 h) (OECD Test Guideline 403)
	Dermal
LD50 :	> 2000 mg/kg (Rabbit) (OECD Test Guideline 402)
	Irritation
	Skin
Result :	No skin irritation
	Eyes
Result :	(OECD Test Guideline 405)Vapours may cause irritation to the eyes, respiratory system and the skin.
	Sensitisation
Result :	not sensitizing (OECD Test Guideline 406)
	CMR effects
	CMR Properties
Carcinogenicity	: Not classifiable as a human carcinogen.
Mutagenicity	: Not classified
Teratogenicity : Damage to fetus not classifiable	
Reproductive toxicity	: No toxicity to reproduction
	Carcinogenicity
	No known significant effects or critical hazards.

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Genotoxicity in vitro

Result : negative (in vitro assay) (OECD Test Guideline 471)

Specific Target Organ Toxicity

Single exposure

Repeated exposure

Other toxic properties

Aspiration hazard

Aspiration may cause pulmonary oedema and pneumonitis.,

Further information

Other relevant toxicity:

information

Inhalation of mist causes irritation of respiratory system.

Repeated or prolonged exposure may cause irritation of eyes and

skin.

Experience with human exposure

Inhalation of high vapour concentrations may cause symptoms like

headache, dizziness, tiredness, nausea and vomiting.

Even smallest amounts of product may cause pulmonary edema or

pneumonia when absorbed into the lungs by swallowing or

subsequent vomiting.

11.2. Information on other hazards

Data for the product

Endocrine disrupting properties

No data available

SECTION 12: Ecological information

12.1. Toxicity

Data for the product

Acute toxicity



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Fish		
LL50	: > 100 mg/l (Fish; 96 h) (Toxicity to fish; OECD Test Guideline 203)	
Toxicity to daphnia and other aquatic invertebrates		
EL50 NOFL	: > 10,000 mg/l (Crustaceans; 48 h) (OECD Test Guideline 202)	
LL50	> 10,000 mg/l (Crustaceans; 96 h) (OECD Test Guideline 202)> 10,000 mg/l (Crustaceans; 96 h) (OECD Test Guideline 202)	
algae		
NOEL	: > 100 mg/l (algae; 72 h) (Toxicity to algae; OECD Test Guideline 201)	
Bacteria		
NOEL	: > 1.93 mg/l (Micro-organisms (wastewater sludge); 0.1 h) (Toxicity to bacteria; DIN 38412)	
Chronic toxicity		
Aquatic invertebrates		
NOEL	: 10 mg/l (Crustaceans; 21 d) (OECD Test Guideline 211)	

12.2. Persistence and degradability

Data for the pro	oduct	
Persistence and degradability		
Persistence		
Result	: No data available	
Biodegradability		
Result	: (OECD Test Guideline 301B)Not readily biodegradable.	

12.3. Bioaccumulative potential

Data for the product		
	Bioaccumulation	

Result : Bioaccumulation is potentially possible.

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12.4. Mobility in soil

Data for the product

Mobility

Result : The product is insoluble in water., not volatile, Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

Data for the product

Results of PBT and vPvB assessment

Result : Not a PBT or vPvB substance or mixture.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

Data for the product

Additional ecological information

Result : Information given is based on data obtained from similar

substances.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : Disposal together with normal waste is not allowed. Special

disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging : Empty contaminated packagings thoroughly. They can be

recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product. Do not burn, or use a cutting torch on, the

empty drum. Risk of explosion.

European Waste : No waste code according to the European Waste Catalogue

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Catalogue Number

can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Ship type : 2 Pollution category : Y

SECTION 15: Regulatory information

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



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Component:	Lubricating oils (petroleum), C15-30,	CAS-No. 72623-86-0
	hydrotreated neutral oil-based; Baseoil -	
	unspecified	

Notification status

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified:

Regulatory List	Notification	Notification number
AICS	YES	
DSL	YES	
EINECS	YES	276-737-9
IECSC	YES	
INSQ	YES	
KECI (KR)	YES	KE-22620
NZIOC	YES	
ONT INV	YES	
PICCS (PH)	YES	
TCSI	YES	
TSCA	YES	
VN INVL	YES	

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H304 May be fatal if swallowed and enters airways.

Odourant < 0.004

(Contains:2,6-DIMETHYL-5-HEPTENAL, 4- HYDROXY-2,5-DIMETHYLFURAN

-3(2H)-ONE, ETHYL 3-METHYL-3-PHENYLGLYCIDATE)

Colourant < 0.0003

HAZARDOUS INGREDIENT(S) CAS No. EC No. / REACH

Registration No. %W/W Hazard Statement(s) Hazard Pictogram(s)

1-(2-methyl-4-(2- methylphenylazo)phenylazo)-2- naphthol 85-83-6 201-635-8

80- 100 Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 GHS07

Full text of the Notes referred to under section 3.

Note L The harmonised classification as a carcinogen applies unless it can be

shown that the substance contains less than 3 % of dimethyl

sulphoxide 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), in which case a classification in

accordance with Title II of this Regulation shall be performed also for that hazard class.

Abbreviations and Acronyms

Australia. Industrial Chemicals Act (AIIC) List **AU AIICL**

BCF bioconcentration factor

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BOD biochemical oxygen demand
CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging

CMR carcinogenic, mutagenic or toxic to reproduction

COD chemical oxygen demand

DNEL derived no-effect level

DSL Canada. Environmental Protection Act, Domestic Substances List EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

ENCS (JP) Japan. Kashin-Hou Law List

Globally Harmonized System of Classification and Labelling of

Chemicals

IECSC China. Inventory of Existing Chemical Substances
INSQ Mexico. National Inventory of Chemical Substances

ISHL (JP) Japan. Inventory of Industrial Safety & Health

KECI (KR) Korea. Existing Chemicals Inventory

LC50 median lethal concentration

LOAEC lowest observed adverse effect concentration

LOAEL lowest observed adverse effect level

LOEL lowest observed effect level

NDSL Canada. Environmental Protection Act. Non-Domestic Substances

List

NLP no-longer polymer

NOAEC no observed adverse effect concentration

NOAELno observed adverse effect levelNOECno observed effect concentration

NOEL no observed effect level

NZIOC New Zealand. Inventory of Chemicals

OECD Organisation for Economic Cooperation and Development

OEL occupational exposure limit
ONT INV Canada. Ontario Inventory List

PBT persistent, bioaccumulative and toxic

PHARM (JP) Japan. Pharmacopoeia Listing

PICCS (PH) Philippines. Inventory of Chemicals and Chemical Substances

PNEC predicted no-effect concentration
REACH Auth. No.: REACH Authorisation Number

REACH AuthAppC. No. REACH Authorisation Application Consultation Number



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UK REACH Auth. No.: UK REACH Authorisation Number

UK REACH AuthAppC. UK REACH Authorisation Application Consultation Number

No.

UK REACH-Reg.No UK REACH Registration Number

STOTspecific target organ toxicitySVHCsubstance of very high concern

TCSI Taiwan. Existing Chemicals Inventory

TH INV Thailand. Existing Chemicals Inventory from FDA

TSCA US. Toxic Substances Control Act

UVCB substance of unknown or variable composition, complex reaction

products or biological materials

VN INVL Vietnam. National Chemical Inventory vPvB very persistent and very bioaccumulative

Further information

Key literature references : and sources for data

Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were

used to create this safety data sheet.

Methods used for product classification

The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

Hints for trainings : The workers have to be trained regularly on the safe handling

of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National

regulations for the training of workers in the handling of hazardous materials must be adhered to.

Other information : The information provided in this Safety Data Sheet is

correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and

does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in

the text.

|| Indicates updated section.