



SAFETY DATA SHEET:
LU07 PowerModel Jet Smoke Oil WHITE 1 litre &
LU08 PowerModel Jet Smoke Oil WHITE 5 litres

According to Regulation (EC) No. 1907/2006

PowerModel Jet Smoke Oil WHITE

Version 4.0

Print Date 2024/02/20

Revision date / valid from 2024/02/20

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

1.1. Product identifier

Trade name : PowerModel Jet
Substance name : Smoke Oil WHITE

CAS-No. : 72623-86-0
EC-No. : 276-737-9
EU REACH-Reg. No. : 01-2119474878-16-xxxx

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

Use of the Substance/Mixture : Model aircraft smoke displays

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 13, Cufaude Business Park, Cufaude Lane,
Bramley, Hampshire RG26 5DL United Kingdom
Telephone : +44 (0) 1256 883944
E-mail :
address : john@deluxematerials.com

1.4. Emergency telephone number

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



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emergency)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
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.
May be fatal if swallowed.
- Physical and chemical hazards : See section 9/10 for physicochemical information.
- Potential environmental effects : See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

- Hazard symbols : 
- Signal word : Danger
- Hazard statements : H304 May be fatal if swallowed and enters airways.
- Precautionary statements



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Response	: P331 P301 + P310	Do NOT induce vomiting. 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

For Results of PBT and vPvB assessment see section 12.5.

SECTION 3: Composition/information on ingredients

3.1. Substances

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)	
		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			
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.



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

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 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.
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SECTION 5: Firefighting measures

5.1. Extinguishing media



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- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media : High volume water jet

5.2. Special hazards arising from the substance or mixture

- 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.

6.2. 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.

6.3. Methods and materials for containment and cleaning up

- Methods and materials for containment and cleaning up : 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).



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

6.4. 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.

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 : 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.

7.3. Specific end use(s)

Specific use(s) : No information available.



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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other Occupational Exposure Limit Values

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

8.2. Exposure controls

Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection

Advice : In case of insufficient ventilation, wear suitable respiratory
equipment.
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.

Eye protection

Advice : Tightly fitting safety goggles

Skin and body protection

Advice : Solvent resistant protective clothing

Environmental exposure controls



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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 respective authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form : liquid

Colour : colourless

Odour : practically odourless

Odour Threshold : no data available

pH : no data available

Melting point/range : < -42 °C (ASTM D 97-66)

Initial boiling point and boiling range : 270 - 380 °C

Flash point : > 150 °C (Method: ASTM D 93)

Evaporation rate : no data available

Flammability (solid, gas) : no data available

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : < 0.1 hPa (20 °C)

Relative vapour density : no data available

Relative density : 0.82 (15 °C) (ASTM D-4052)

Water solubility : insoluble

Partition coefficient: n-octanol/water : Kow > 6



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Auto-ignition temperature	:	no data available
Thermal decomposition	:	no data available
Viscosity, dynamic	:	12 mPa.s (20 °C)
Viscosity, kinematic	:	7.5 mm ² /s (40 °C) (ASTM D 445)
Explosivity	:	Formation of explosive air/vapour mixtures is possible.
Oxidizing properties	:	no data available

9.2. Other information

No further information available.

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

Hazardous decomposition products : No hazardous decomposition products are known.



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Data for the product

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.

SECTION 12: Ecological information

12.1. Toxicity

Data for the product

Acute toxicity

Fish

LL50 : > 100 mg/l (fish; 96 h) (Toxicity to fish; OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates



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EL50 : > 10000 mg/l (Crustaceans; 48 h) (OECD Test Guideline 202)
NOEL : > 10000 mg/l (Crustaceans; 96 h) (OECD Test Guideline 202)
LL50 : > 10000 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 product

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.

12.4. Mobility in soil



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



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SECTION 14: Transport information

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

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

Type of ship : 2

Pollution Category : Y

Further information for transport

Noxious liquid, NF (5) n.o.s (Contains Iso- and cyclo-alkanes C12+). According to MARPOL:
"Non-solidifying substance"

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, hydrotreated neutral oil-based; Baseoil - unspecified **CAS-No. 72623-86-0**

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	
KECI (KR)	YES	KE-22620
NZIOC	YES	
PICCS (PH)	YES	
TSCA	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.

Abbreviations and Acronyms

BCF	bioconcentration factor
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
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of



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	Chemicals
LC50	median lethal concentration
LOAEC	lowest observed adverse effect concentration
LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
OECD	Organisation for Economic Cooperation and Development
OEL	occupational exposure limit
PBT	persistent, bioaccumulative and toxic
PNEC	predicted no-effect concentration
STOT	specific target organ toxicity
SVHC	substance of very high concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
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.



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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.