

MATERIAL SAFETY DATA SHEET

TITLE 1: Identification of the Substance / Preparation and Company

1.1. Identification of the preparation

Product form : Liquid
Product Name : MARK HAZER FLUID - XT COMPRESSOR (5L) - OIL BASED

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

1.2.1. Relevant identified uses

Use of the substance / mixture: Liquid formulation used to produce an artificial hazer used in the entertainment events, shows, clubs, theaters
Professional use and general public use

1.2.2. Uses deprecated

No additional information available

1.3. Identification of the company

EQUIPSON s.a
Avenida de Saler , n° 14 - Poligono Industrial L'Altero
46460 - Silla - Valencia - Spain
T +34 961 216 301 - F +34 961 200 242
www.equipson.es

1.4. Emergency Telephone Number

Country	Organisation/Company	Address	Emergency Number	Comments
France	ORFILA		+33 1 45 42 59 59	

TITLE 2: Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45
Hazard Class and Category Code Regulation EC 1272/2008 (CLP) : Not regulated.

2.2. Label elements

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

Hazard pictograms code : ---
Precautionary statements : ---

2.3. Other Hazards

None under normal conditions.

TITLE 3: Composition / information on ingredients

Product's formula (INCI) : Paraffinum liquidum
Components : This product is not hazardous
Contents : 100 - CAS n° 8042-47-5 - EC n° 232-455-8 - REACH 01-2119487078-27

TITLE 4 : First Aid

4.1. Description of first aid measures

First aid measures : Seek medical attention if ill effect develops.
Inhalation : Assure fresh air breathing.
Skin contact : Wash skin with mild soap and water.
Eye contact : Seek medical attention if ill effect or irritation develops.
In case of eye contact, immediately rinse with clean water for 10-15 minutes.
Ingestion : Can have a laxative effect. Never give anything by mouth to an unconscious person.

Seek medical attention if ill effect develops. Do not induce vomiting.

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

Symptoms relating to use :

May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract. Nausea. Diarrhea.
Repeated or prolonged skin contact may cause irritation.
None under normal conditions.

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

Note to physician :

No data available.
Treat symptomatically.
By absorption or vomiting,danger of penetration into the lungs.

TITLE 5: Measures against fire

5.1. Extinguishing Media

Suitable extinguishing media :
Unsuitable extinguishing media :

Foam. Powder. Carbon dioxide. Water fog. Water spray. Sand.
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products :

Organic compounds. et inorganiques.
Carbon monoxide.

5.3. Advice for firefighters

Protection against fire :
Prevention :

Special procedures :

Surrounding fires :

Wear proper protective equipment.
In case of insufficient ventilation, wear suitable respiratory equipment.
Exercise caution when fighting any chemical fire.
Avoid (reject) fire-fighting water to enter environment.
Use water spray or fog for cooling exposed containers.

TITLE 6: Measures Accidental Release

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions :

Spill area may be slippery.
In case of insufficient ventilation, wear suitable respiratory equipment. (SCBA)
Equip cleanup crew with proper protection.
Ensure adequate air ventilation.

6.2. Precautions for environmental protection

Environmental precautions :

Notify authorities if product enters sewers or public waters.
Prevent entry to sewers and public waters.

6.3. Methods and materials for containment and cleaning

Clean up methods :

Dike for recovery or absorb with appropriate material.
Collect spills and put it into appropriated container.

6.4. Reference to other sections

Wear individual equipment of protection, see section 8.

TITLE 7: Handling and storage

7.1. Precautions for safe handling

General :	Class feu : B
Handling :	Ensure adequate air ventilation. Avoid formation of oil dust. Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Storage :	Class (RFA) : 10 Store in tightly closed, properly ventilated containers away from heat, sparks, open flame.
Storage - away from :	Strong oxidizing agents. Direct sunlight. Heat. Take precautionary measures against static discharges.

7.3. Specific end use

No data available.

TITLE 8: Exposure controls / personal protection

8.1. Control Parameters

DNEL=160mg aerosol/m³/8h, Long Term Exposure, Systemic, Inhalativ
DNEL=220mg/kg/8h, Long Term Exposure, Systemic, Dermal

Personal protection :	Avoid oil vapor formation. Do not breathe vapour. Same security measures as with chemicals products.
Respiratory protection :	In case of insufficient ventilation, wear suitable respiratory equipment. E529
Skin protection :	Wear suitable protective clothing. EN 397
Eye protection :	Goggles. EN166
Hand protection :	Use neoprene or rubber gloves. EN 374 - 407

8.2. Exposure controls

TLV ^o [ml/m ³] :	Oil Vapeur USA (ACGIH) = 5
TWA [mg/m ³] :	5

TITLE 9: Physical and chemical properties

9.1. Basic physical and chemical properties Information

- Appearance	
Physical state at 20 °C :	Liquid.
Change in physical state :	-9 (DIN ISO 3016)
Colour :	Colourless.
- Odour	
Odour :	Mild.
- Odour threshold :	No data available.
- pH :	No data available.
- Melting point / Freezing point :	No data available.
- Initial boiling point - boiling range	
Boiling point [°C] :	218-800
- Flash point	
Flash point [°C] :	210 (DIN ISO2592)
- Evaporation rate :	No data available.
- Flammability :	No data available.
- Explosion limits (lower - upper)	
Explosion limits - lower [%] :	0,45
Explosion limits - upper [%] :	4,5
- Vapour pressure	
Vapour pressure [hPa] :	<0,1 (20°C) calculée
- Vapour density :	No data available.
- Relative density	
Density :	0,853g/ml (15°C) DIN 51757
- Solubility	
Solubility :	Lipophile substance.
Solubility in water :	Insoluble.
- Partition coefficient : n-octanol / :	No data available.
- Auto-ignition temperature	
Auto-ignition temperature [°C] :	325-355
- Thermal decomposition :	No data available.

- Viscosity
Viscosity at 40°C [mm²/s] : Circa 24 (DIN51562)
- Explosive Properties : Not expected to be a fire/explosion hazard under normal conditions of use.
- Oxidising properties : No data available.

9.2. Other informations

No data available.

TITLE 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Thermal stability :

Stable under normal conditions.
Decomposes above 350°C

10.3. Possibility of hazardous reactions

Hazardous reactions :

Oxidizing agent.

10.4. Conditions to avoid

On exposure to high temperature, may decompose, releasing toxic vapours.

10.5. Incompatible materials

Materials to avoid :

Strong oxidizers

10.6. Hazardous decomposition products

Hazardous decomposition products :

carbon oxyde, sulphur and nitrogen

TITLE 11: Toxicological informations

11.1. Information on toxicological effects

Subacute toxicity - NOAEL 1000mg/kg - rabbit (male/female) - similar to OECD410
Subchronic toxicity inhalativ - NOAEL > = 2000mg/kg - rat (male/female) - similar to OECD411
Chronic toxicity oral - NOAEL > 120mg/kg - F344 rat strain - OECD411

Acute toxicity :

- Ocular :
- Ingestion :

Considered as non toxic.

Irritating vapours. possible in case of repeated contacts
May result in aspiration into the lungs, causing chemical pneumonia.
May cause a light irritation of the linings of the mouth, throat, and gastrointestinal

Rat oral LD50 [mg/kg] :
Rabbit dermal LD50 [mg/kg] :
Rat inhalation LC50 [mg/l/4h] :
Dermal irritation (rabbit) :
Eyes irritation (rabbit) :
Sensitization :

>5000 (OECD 401)
>2000 (OECD 402)
>5000 mg/m³ (OECD403)
Not expected to be an irritant.
Not expected to be an irritant.
This product has been reported not to cause skin sensitization. (OECD 406)

Carcinogenicity :

Mutagenicity

- Ames test :

Toxic for reproduction :

No carcinogenic suspected agent.

Mutagenicity tests are negative.
unborn child : negativ
(Chromosome aberration assay based on hey study data test)

TITLE 12: Ecological informations

12.1. Toxicity

LL50 (40h) > 1000mg/l QSAR Software Model

On product :	Soluble in water with difficulty.
48 Hour-EC50 - Daphnia magna [mg/l] :	LL50 >100mg/l (OECD202)
IC50 72h Algae [mg/l] :	NOEL >=100 (Pseudokirchnerella subcapita) OECD 201
L.idus LC50 (mg/l) :	> 100 (96H) Leuciscus idus OECD 203

12.2. Persistence - degradability

Biodegradation [%] : Minimally biodegradable. 31.3% (28d)

12.3. Potential for bioaccumulation

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB

No additional information available

12.6. Other adverse effects

Ecological effects information :	Avoid release to the environment.
WGK class (Germany) :	1 : Little dangerous for the aquatic environment.

TITLE 13: Considerations Disposal

13.1. Waste treatment methods

General :	Clean equipment with hot water and soap. Dispose in a safe manner in accordance with local/national regulations.
Industrial waste number :	13 02 05 - Mineral-based non-chlorinated engine, gear and lubricating oils. (Hazardous waste pursuant to Directive 91/689/EEC on hazardous waste)

TITLE 14: Transport informations

14.1. ONU number

N° ONU (ADR) :	Not applicable
N° ONU (IMDG) :	Not applicable
N° ONU (IATA) :	Not applicable
N° ONU (ADN) :	Not applicable
N° ONU (RID) :	Not applicable

14.2. Official shipping transport name ONU

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. Hazard class for transport

ADR Hazard class for transport (ADR) :	Not applicable
IMDG Hazard class for transport (IMDG) :	Not applicable
IATA Hazard class for transport (IATA) :	Not applicable
ADN Hazard class for transport (ADN) :	Not applicable
RID Hazard class for transport (RID) :	Not applicable

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

Not applicable.

In case of spillage and/or leakage :

Clean up even minor leaks or spills if possible without unnecessary risk.

14.6. Special precautions for user

Not applicable

Personal precautions :

Emergency action in case of accident :

The driver shall not attempt to deal with any fire of the load.
Stop the engine. No naked lights. No smoking. Mark roads and warns other road users.
NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

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

Not applicable.

TITLE 15: Regulatory information

15.1. Regulations / legislation for the substance or mixture Safety, health and environment

Ensure all national/local regulations are observed.

Classification EC 67/548 or EC 1999/45

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006.

Directive 2006/121/EC of the European Parliament and of the Council of 18 December 2006.

Symbol(s) :	None.
R Phrase(s) :	None.
S Phrase(s) :	None.
Other :	None.

15.2. Evaluation of chemical safety

No data available.

TITLE 16: Other informations

Other informations : None.