

MATERIAL SAFETY DATA SHEET

CONFIRMS TO DIRECTIVE 1907/2006/EC
Version: 1.0

NAME: HAZE-FLUID (OIL BASED)

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

- 1.1 **Product identifier**
Trade Name: MFX3060 - Haze Fluid (Oil Based)
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
Relevant identified use: Fog and smoke simulation.
Uses advised against: Please consult manufacturer.
- 1.3 **Details of the supplier of the material safety data sheet**
Company identification:
Company: Magic FX B.V.
Address: Schouwrooij 27
NL-5281 RE Boxtel
Telephone: +31 (0)411-748100
E-mail: info@magicfx.eu
Web: www.magicfx.eu
- 1.4 **In case of emergency (ICE)**
Telephone: +31 (0)6 5130 3858

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 **Classification of the substance or mixture**
CLP Regulation (EC) n° 1272/2008: The mixture is not classified according to the CLP regulation.
- 2.2 **Label elements**
None
- 2.3 **Other hazards**
None

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS

3.1 Ingredients

Identification		Chemical name / Classification		Concentration
CAS:	8042-47-5	Mineral Oil, hydrogenated	Self-classified	Unknown
EC:	232-455-8		Regulation 1272/2008	
Index:				
REACH:				

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General information

In all cases, after cleaning, medical advice should be consulted as quickly as possible with the MSDS.

Intoxication

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, consult medical attention for direct exposure to the chemical product or persistent discomfort.

Inhalation

This product does not contain substances classified as dangerous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Consult medical advice if the symptoms get worse or persist.

Skin contact

In case of contact it is recommended to remove contaminated clothing and clean the affected area thoroughly with water and neutral soap. In case of modifications on the skin (stinging, redness, ashes, blisters,...), consult medical advice with the MSDS.

Eye contact

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. Consult medical advice with the MSDS.

Ingestion

In case of consumption, consult immediate medical assistance showing the MSDS. Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing methods

Suitable extinguishing methods

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam.

Unsuitable extinguishing media

Water with a full water jet.

Advice for firefighters

Avoid spraying directly into storage containers because of the danger of boil over, soot and other organic product Carbon Oxides.

Particular risks:

Endangered containers in the surrounding area should be cooled with a water-hose.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See section 8.

6.2 Environmental precautions

Avoid spillage into an aqueous medium as it contains substances potentially dangerous for this. Contain the product absorbed in hermetically sealed containers. In the case of serious spillage into an aqueous medium notify the relevant authority.

6.3 Methods and material for containment and cleaning up

It is recommended: Absorb the spillage using sand or absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections

Refer to Section 13 for disposal of product and contaminated materials.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

7.2 Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, manipulation and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

- 7.3 Technical recommendations to prevent ergonomic and toxicological risks**
Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
- 7.4 Technical recommendations to prevent environmental risks**
It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)
- 7.5 Conditions for safe storage, including any incompatibilities**
- Technical measures for storage**
There are no specific technical measures for storage.
- General conditions for storage**
Keep containers tightly closed. Store in cool, dry conditions. Do not store together with oxidizing and acidic materials.
- 7.6 Specific end use(s)**
Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
PNECs
Substance is a hydrocarbon with a complex, unknown or variable composition.
- Conventional methods of deriving PNECs are not appropriate and it is not possible to identify a single representative PNEC for such substances.
- Additional information
If vapour, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest practicable level. Comply with the current local occupational exposure limit. Where not established, it is recommended that mineral oil mists are kept below 5 mg/m³ (8 hr TWA).
- 8.2 Exposure controls**
- Personal protective equipment:**
Keep away from food, beverages and fodder.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin
Gases, fumes and aerosols should not be inhaled.
- Breathing equipment:**
Make sure the room is well-ventilated. In case of drizzling-dust, breathing protection is required.
- Other protective equipment:**
Wear protective gloves and protective skin cream. Safety glasses during refilling are recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	Information on basic physical and chemical properties
Physical state at 20 °C:	Liquid
Appearance:	Transparent
Odor:	Mild
Boiling point:	280°C
Pouring point:	ca. -15°C
Flashing point:	Non-flammable (>200°C)
pH:	None
Density at 15°C:	0,850 – 0,860 g/cm ³
Water solubility:	Insoluble
Segregation coefficient:	n-octanol/water > 6 log POW
Viscosity:	22–27 mm ² /s
Auto ignition temperature:	None

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Packaging**
Plastic containers.
- 10.2 Dangerous reactions**
Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide.
- 10.3 Dangerous decomposition product**
Thermal decompositions can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.
- 10.4 Incompatible materials**
Strong oxidizing agents.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- | | |
|------------|----------------------------|
| Oral | LD50 > 5000 mg/kg (rat) |
| Dermal | LD50 > 5000 mg/kg (rabbit) |
| Inhalative | LC50 / 4 h > 5 mg/l (rat) |

See section 4 in case of inhalation, skin contact, eye contact and / or ingestion.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- Aquatic toxicity:
EC 50 > 100 mg/l (Algae)
> 100 mg/l (Daphnia)
LC 50 > 100 mg/l (Fish)

The product is biological moderately decomposable.

12.2 Behaviour in environmental systems

Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired. The liquid is immobilized by adsorption on ground particles.

Bio accumulative potential: There is no evidence to suggest bioaccumulation will occur.
Mobility in soil: No further relevant information available.

12.3 Additional information

The liquid is slightly hazardous for water. Therefore, do not allow to enter drainage system, surface or ground water.

Results of PBT: Not applicable
Results of vPvB: Not applicable

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

A used product should be recycled or used in other contexts, otherwise be handed over to an appropriate disposal site.

13.2 Waste disposal key number

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

13.3 Uncleaned packaging

Disposal must be made according to official regulations.

Rented packaging

After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.

Other containers

After complete emptying and cleaning, send to be reconditioned or recycled.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA, ICAO).

SECTION 15: REGULATORY INFORMATION

The classification of this preparation has been carried out in conformance with the <All Preparations> directive. It has also taken into account directive 2001/59/EC relating to the 28th adaptation of directive 67/548/EC (Dangerous Substances).

Classification of the preparation:

Water hazard class 1:

Content of the Preparation:

Particular dispositions:

Table of occupational diseases set out in article R, 461-3 of the Employment Code:

Other regulations, limitations and prohibitive regulations:

Not applicable.

Slightly hazardous for water.

Not applicable.

None.

Not applicable.

Note leaflet of the Petroleum Industry on precautionary measures for handling liquid petroleum products and lubricating greases. Note VAWS of particular state.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

- ADR: European agreement concerning the international carriage of dangerous goods by road
- IMDG: International maritime dangerous goods code
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organisation
- COD: Chemical Oxygen Demand
- BOD5: 5-day biochemical oxygen demand
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent

The information contained in this MSDS is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.