

Safety data sheet according to 1907 / 2006 / EG

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Trade name: Haze-Fluid/ Hazer Liquid

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

1.1 PRODUCT IDENTIFIER

Trade name: Hazer Fluid / Hazer Liquid

CAS Number: 8042-47-5

REACH-Registration number: 01-2119487078-27

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

Application of the substance: Fog and smoke simulation

Details of the supplier of the safety data sheet

Manufacturer / Supplier: MAGIC FX B.V.
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SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification of the mixture Classification according to Regulation (EC) No 1272/2008:

The mixture is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or 1999/45/EC:

Void

Information concerning particular Hazards for human and environment:

Void

LABEL ELEMENTS

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard Statements: Void

Other hazards: ---

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization:	Mineral Oil, hydrogenated
CAS No:	8042-47-5 high refined mineral oils
EC-number	---

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

General advice:	Instantly remove any clothing soiled by the product.
After inhalation:	Supply fresh air; consult doctor in case of symptoms.
After skin contact:	In general the product does not cause skin irritation. Wash with soap and water. After
eye contact:	Rinse opened eye for 15 minutes under running water. Consult a doctor in case of symptoms.
After swallowing:	Do not induce vomiting; instantly call for medical help. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

INFORMATION FOR DOCTOR

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable extinguishing agents:

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

For safety reasons unsuitable extinguishing agents:

Water with a full water jet.

Special hazards arising from the substance or mixture:

Avoid spraying directly into storage containers because of the danger of boil over. Soot and other organic product Carbonoxides.

ADVICE FOR FIREFIGHTERS

Protective equipment:

See section 8.

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep off unprotected persons.

Particular danger of slipping on leaked/spilled product.

Avoid eye and skin contact.

Environmental precautions:

Do not allow product to reach sewage system or water bodies.

Prevent from spreading (e.g. by damming-in or oil barriers).

If material reaches soil inform authorities responsible for such cases.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Can cause very slippery surfaces.

Reference to other sections

See Section 8 for information on personal protection equipment

SECTION 7: HANDLING AND STORAGE

HANDLING

Precautions for safe handling:

The usual good standards of industrial hygiene should be maintained. Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

Information about protection against explosions and fires:

Keep ignition sources away – Do not smoke. Do not spray on flames or red-hot objects.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage:

Keep containers tightly closed. Store in cool, dry conditions.

Requirements to be met by storerooms and containers:

Suitable material for containers and conduit: steel or stainless steel.

Store in original containers or in PE-containers.

Information about storage in one common storage facility:

Do not store together with oxidizing and acidic materials.

Further information about storage conditions:

Store under cover away from heat and sources of ignition.

Specific end use(s) No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

No further data; see item 7.

CONTROL PARAMETERS

Components with critical values that require monitoring at the workplace:

Not required

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).

EXPOSURE CONTROLS

Personal protective equipment / General protective and hygienic measures:

The usual precautionary measures should be adhered to in handling the chemicals.

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: not necessary if room is well-ventilated.

In case of drizzling-dust breathing protection is required

Recommended filter device for short term use:

Combination filter A-P2

Protection of hands: Protective gloves and protective skin cream

Material of gloves: Nitrile rubber, NBR

Chloroprene rubber, CR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses recommended during refilling.

Body protections: Standard protective working clothes, chemical resistant safety-shoes or wellingtons. If skin contact is possible, wear impenetrable protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

Appearance:

Form:	Liquid
Colour:	Clear, colourless
Smell:	Mild
pH-value:	not applicable

Change in condition:

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	> 280°C
Pour point:	ca. -15°C
Flash point:	200°C
Danger of explosion:	Product is not approx, potentially explosive.
Density at 15°C:	0.850-0.860/cm ³
Solubility in / Miscibility with water at 20°C < 0,1 g/l	insoluble
Segregation coefficient (n-octanol/water) >	6 log POW
Viscosity: kinematic at 40°C:	22-27 mm ² /s
Other information:	No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY

CHEMICAL STABILITY

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions:

No dangerous reactions known.

Conditions to avoid:

No further information available

Incompatible materials:

Strong oxidizing agents

Hazardous decomposition products:

Thermal decompositions can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

Additional information:

Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, which will include carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity:

LD/LC50 values that are relevant for classification

Oral	LD50 > 5000 mg/kg (rat)
Dermal	LD50 > 5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h > 5 mg/l (rat)

Primary irritant effect:

On the skin:	No irritant effect.
On the eye:	No irritant effect.

Sensitization: No sensitizing effect known.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

Aquatic toxicity:

EC 50 > 100 mg/l (Algae)

> 100 mg/l (Daphnia)

LC 50 > 100 mg/l (Fish)

Persistence and degradability: The product is biological moderately decomposable.

BEHAVIOUR IN ENVIRONMENTAL SYSTEMS

Floating on the water. Liquide form. Is immobilized by adsorption on ground particles.

Bioaccumulative potential:

There is no evidence to suggest bioaccumulation will occur.

Mobility in soil:

No further relevant information available.

Ecotoxicological effects:

Remark:

Spills may form a film on water surfaces causing physical damage to organisms.

Oxygen transfer could also be impaired.

ADDITIONAL ECOLOGICAL INFORMATION

General notes:

Do not allow to enter drainage system, surface or ground water.

Water hazard class 1 (Assessment by list): slightly hazardous for water.

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

Other adverse effects:

No further information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

Recommendation:

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.

Recommendation:

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

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.

Uncleaned packagings:

Disposal must be made according to official regulations

Recommendation:

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

UN-Number

ADR, ADN, IMDG, IATA Void

UN proper shipping name

ADR, ADN, IMDG, IATA Void

Transport hazard classes

ADR, ADN, IMDG, IATA

Class Void

Packing group

ADR, IMDG, IATA Void

Special precautions for user Not applicable

Transport in bulk according to

Annex II of MARPOL73/78 and

the IBC code Not applicable

Transport/Additional information: Not dangerous according to the above specifications

UN "Model Regulation": ---

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substances or mixture

National regulations

Water hazard class:

Water hazard class 1 (self assessment according to German VwVwS (Regulations for

water-hazardous substances): slightly hazardous for water.

Other regulations, limitations and prohibitive regulations

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

Chemical safety assessment:

A Chemical safety assessment has not been carried out.

SECTION 16. OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet:

See item 1: informing department

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

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