

# HEALTH & SAFETY DATA SHEET

(In accordance with Regulation (EU) 2015/830)

Product Name : ATMOSITY RAW HAZE FLUID / Version : 01.2017

## TITLE 1 - IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

### 1.1. Identification of the preparation

Product form : Mixture

Product Name : ATMOSITY RAW HAZE FLUID - ARH - 2L  
ATMOSITY RAW HAZE FLUID - ARH - 4L

### 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.  
For Haze Machines working with compressor system.  
Professional use and general public use

**1.2.2. Uses deprecated** No additional information available

### 1.3. Identification of the company

#### ELATION LIGHTING , INC

6122 S.EASTERN AVEC  
LOS ANGELES - CA 90040 - USA  
Email : support@elationlighting.com  
www.elationlighting.com  
Tel. (866) 245-6726

### 1.4. Emergency Telephone Number

Country	Company	Emergency Number
France	ORFILA	+33 1 45 42 59 59

See page 8 / List of Emergency Numbers

## 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

No additional information available

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## TITLE 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Produt'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. First aid indications

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 mn .  
  
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. Main symptoms and effects, acute and delayed

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.  
  
Symptoms relating to use : None under normal conditions.

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

No data available.  
  
Note to physician : Treat symptomatically.  
By absorption or vomiting danger of penetration into the lungs.

## TITLE 5 - MEASURES AGAINST FIRE

### 5.1. Extinguishing Media

Suitable extinguishing media : Foam. Powder. Carbon dioxide. Water fog. Water spray. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : Organic compounds & in organics  
Carbon monoxide.

### 5.3. Advice for firefighters

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

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## TITLE 6 - MEASURES ACCIDENTALRELEASE

### 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 fire : 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. Particular end use

No additional information available

## TITLE 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Control Parameters

DNEL=160mg aerosol/m<sup>3</sup>/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

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## 8.2. Exposure controls

Appropriate engineering controls:	Ensure good ventilation at the workplace.
Hand protection :	Protective gloves
Eye protection:	Safety glasses
Skin and body protections:	Wear suitable protective clothing
Respiratory Protection :	In case of insufficient ventilation, wear suitable respiratory equipment
Control of environmental exposure:	Avoid release into the environment.

## 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) calcul
- 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 additional information available

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## TITLE 10 - STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Stable under normal conditions. Decomposes above 350°C

### 10.3. Possibility of hazardous reactions

Oxidizing agent.

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Strong oxidizers

### 10.6. Hazardous decomposition products

Carbon oxyde , sulphur & niotrogen .

## TITLE 11 - TOXICOLOGICAL INFORMATION

### 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 :

Considered as non toxic.

- Ocular :

Irritating vapours. possible in case of repeated contacts

- Ingestion :

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] :

>5000 (OECD 401)

Rabbit dermal LD50 [mg/kg] :

>2000 (OECD 402)

Rat inhalation LC50 [mg/l/4h] :

>5000 mg/m3 (OECD403)

Dermal irritation (rabbit) :

Not expected to be an irritant.

Eyes irritation (rabbit) :

Not expected to be an irritant.

Sensitization :

This product has been reported not to cause skin sensitization. (OECD 406)

Carcinogenicity :

No carcinogenic suspected agent.

Mutagenicity

- Ames test :

Mutagenicity tests are negative.

Toxic for reproduction :

unborn child : negativ

(Chromosome aberration assay based on hey study data test)

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## TITLE 12 - ECOLOGICAL INFORMATION

### 12.1. Toxicity

LL50 (40h) > 1000mg/l

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

Biodegradation [%] :

Minimally biodegradable. 31.3% (28d)

### 12.3. Potential for bioaccumulation

No additional information available

### 12.4. Mobility in soil

No additional information 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 INFORMATION

In accordance with the requirements of ADR / RID / IMDG / IATA / AND

### 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

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## 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
AND / 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

Dangerous for the environment:	No
Marine pollutant:	No
Other informations :	No additional information available

## 14.6. Special precautions for user

- Overland transport	No data available
- Maritime transport	No data available
- Air transport	No data available
- Waterway transport	No data available
- Rail transport	No data available

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

Not applicable

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## TITLE 15 - REGULATORY INFORMATION

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

### 15.1.1. EU regulations

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 chemical safety assessment has been carried out

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## TITLE 16 - OTHER INFORMATION

Other informations : None.

### EMERGENCY NUMBERS

Australia	Poison control Center	+61 02 9515 1267
Austria	Poison Control Centre - Emergency helpline:	+43 1 406 43 43
Belgium	Centre Antipoisons / bruxelles	070 245 245
Bulgaria	National Toxicology Center,	+359 2 9154 233
Canada	Centre Toxicologie Quebec	+1 418 650 6115
California – Usa	Poison control system	+1 415-502-6000
Croatia	Poison Control Centre	+385 1 23-48-342.
Czech Republic	Toxikologické informační středisko	+420 224 919 293
Denmark	Bispebjerg Hospital - Giftlinjen ring	82 12 12 12
Estonia	Poisoning Information Centre	16 662
Finland	Poison Information Centre	09 471977
France	Orfila	+33 1 45 42 59 59
Germany	Giftnotruf Berlin, Emergency telephone:	+49 30 19240
Greece	Poison Information Centre	+30 2107793777
India	National Poison Center Information	+91 011 26589391
Hungary	Health Information - Toxicological Service	+36 80 20 11 99
Iceland	Landspítali - Poison Centre	543 2222
Ireland	Poisons information center of ireland	01 809 2166
Italy	Centro anti veleni	+39 02
Latvia	Valsts Toksikoloģijas centrs	+ 371 67042473 or 112
Lithuania	Nuodų Centras	+370 687 533 78
Luxembourg	Belgian Poison Center	+352 8002-5500.
Maroc	Centre Anti Poison	+212 80 1000180
Netherlands	Nationaal vergiftigingen informatie centrum	030 274 88 88
Norway	Giftinformasjonen	22 59 13 00
Portugal	CIAV	808 250 143
Romania	Centru de Control Otravă	+402 212 106 282
Singapore	Poison Information Center	+ 65 6423 9119
Slovakia	Narodné Toxikologické Informačné Centrum	+421 (0) 2 5477 4166
South Africa	Poison Control Center / Johannesburg	+ 27 11 642 2417
Spain	Urgencias toxicológicas	+34 91 562 04 20
Sweden	Giftinformationscentralen (Sverige)	08 33 12 31
Switzerland	Tox Info Suisse	+41 044 251 66 66
Tunisia	Centre Anti Poison	+ 216 71 335 500
Turkey	Poison Control Center Istanbul	114
United Kingdom	UK National Poisons Emergency number	+44 870 600 6266

**The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006  
OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

The information contained in this safety data sheet is based on the state of our knowledge on the indicated date. The information given in this sheet should be considered as a description of the product safety requirements, they should not be considered as a warranty or quality specification and have no contractual value on the properties of the product. The information contained in this safety data sheet relates to the specifically designated product, and cannot be valid for a product associated with another product. The conditions or methods of handling, storing, using or eliminating the product are beyond our control and cannot be under our responsibility.