

## HEALTH & SAFETY DATA SHEET

### TITLE 1 : Identification of the Substance / Preparation and Company

#### 1.1. Identification of the preparation

Product form :	Mixture	
Product Name :	QTX - SMOKE FLUID STANDARD - 1L	REF: 160.643
	QTX - SMOKE FLUID STANDARD - 5L	REF: 160.582
	QTX - SMOKE FLUID HIGH GRADE - 1L	REF: 160.587
	QTX - SMOKE FLUID HIGH GRADE - 5L	REF: 160.588
	QTX - SMOKE FLUID HIGH QUALITY - 1L	REF: 160.644
	QTX - SMOKE FLUID HIGH QUALITY - 5L	REF: 160.583
	QTX - SMOKE FLUID PREMIUM FLUID - 5L	REF: 160.589

#### 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 smoke used in the entertainment events, shows, clubs, theaters, training occupational safety drills.  
Professional use and general public use

##### 1.2.2. Uses deprecated

No additional information available

#### 1.3. Identification of the company

**AVSL GROUP LTD**  
UNIT 2, BRIDGEWATER PARK  
TAYLOR ROAD  
MANCHESTER - M41 7JQ – UK  
TEL : 0845 270 2411 - Website : www.avsl.com

#### 1.4. Emergency Telephone Number

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

See page 6 List of Emergency Numbers - Europe

### TITLE 2 : Hazards identification

#### 2.2. Classification of the substance or mixture

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

Unclassified

#### Physicochemical harmful effects , for human health and the environment

To our knowledge, this product does not present any particular risk, subject to compliance with the general rules of industrial hygiene

#### 2.2. Label Elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]<sup>6</sup>

Precautionary statements (CLP) :

- P101 - If medical advice is needed, keep at disposal the container or label
- P102 - Keep out of reach of children
- P271 - Use only outdoors or in a well ventilated area
- P270 - Do not eat, drink or smoke when using this product
- P234 - Keep only in the original container

#### 2.3. Other Hazards

No additional information available

### TITLE 3 : Composition / information on ingredients

#### 3.1. Substance

Not applicable

### 3.2. Mixture

Product	Product Identifier	%	Classification according to Regulation EC No 1272/2008 (CLP)
TRIETHYLENE GLYCOL	(CAS Number) 112-27-6 (CE Number) 203-953-2 (N° REACH) 01-2119438366-35	14 - 30	Unclassified
MONOPROPYLENE GLYCOL	(CAS Number) 57-55-6 (CE Number) 200-338-0 (N° REACH) 01-2119456809-23	4-10	Unclassified

Full text of H-phrases: see section 16

## TITLE 4 : First Aid

### 4.1. First aid indications

First aid after inhalation : Remove the person to fresh air and keep her in a position comfortable for breathing.  
First aid for skin contact: Wash skin with plenty of water.  
First aid after eye contact : Flush eyes with water as a precaution.  
First aid after ingestion: Call a poison control center or physician if you feel unwell.

### 4.2. Main symptoms and effects, acute and delayed

No additional information available

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

Symptomatic treatment.

## TITLE 5 : Measures against fire

### 5.1. Extinguishing Media

Appropriated Extinguishing Media: Water spray. Dry powder. Foam. Carbon dioxide.  
Unsuitable extinguishing agents: Direct jet water.

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

Hazardous decomposition products in case of fire : Possible release of toxic fumes

### 5.3. Advice for firefighters

Protection in case of fire: Do not work without suited protective equipment.  
Respiratory protection , Self-contained.  
Complete protection of the body

## TITLE 6 : Measures Accidental Release

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non first-aiders

Emergency Procedures: Ventilate spill area

#### 6.1.2. For rescuers

Protection Equipment: Do not work without suited protective equipment.  
For more information, refer to Section 8: "Control of individual exposure-protection ".

### 6.2. Precautions for environmental protection

Avoid release into the environment.

### 6.3. Methods and materials for containment and cleaning

Cleaning processes: Absorb the spilled liquid in absorbent material.  
Other informations : Remove materials or solid residues in an authorized center

### 6.4. Reference to other sections

For more information, see Section 13.

## TITLE 7 : Handling and storage

### 7.1. Precautions for safe handling

Precautions for handling without danger :	Ensure good ventilation at the workplace Wear personal protective equipment.
Hygiene measures:	Do not eat, drink or smoke when using this product Wash hands after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions :	Store at temperatures above 0 ° C and below 50 ° C. Keep only in the original container. Store in a well ventilated area. Store away from light.
Storage temperature :	0 - 50 °C

### 7.3. Particular end use

No additional information available

## TITLE 8: Exposure controls / personal protection

### 8.1. Control Parameters

No additional information available

### 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

Physical state:	Liquid
Colour :	Colorless, yellow, pink , orange,
Odour :	no smell
Odour threshold:	No data available
pH :	7 - 8
Relative evaporation rate (butylacetate = 1):	No data available
Fusion point:	Not applicable
Freezing point :	No data available
Boiling point :	100 - 290 °C
Flash point :	> 175 °C
Auto ignition temperature :	370 °C
Decomposition Temperature :	No data available
Flammability (solid, gas):	Not applicable
Vapor Pressure:	No data available
Relative vapor density at 20 ° C:	No data available
Relative density:	No data available
Density :	1018 kg /m3 at 20°C.
Solubility :	Soluble in water. Partially soluble in organic solvents by the presence of glycolic derivative
Log Pow :	No data available
Kinematic viscosity:	No data available
Dynamic viscosity:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosion limits:	No data available

### 9.2. Other informations

No additional information available

## TITLE 10 : Stability and reactivity

### 10.1. Reactivity

The product is not reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability**

Stable under normal conditions

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.  
 Reacts violently with oxidants.  
 Reactions with strong acids.

**10.4. Conditions to avoid**

None under conditions of storage and handling recommendations (see section 7).

**10.5. Incompatible materials**

Strong acids. oxidizing agent.

**10.6. Hazardous decomposition products**

Hazardous decomposition products should not be generated under normal conditions of storage and use.  
 Thermal decomposition generates: Carbon monoxide. Carbon dioxide.

**TITLE 11 : Toxicological informations**

**11.1. Information on toxicological effects**

Acute toxicity:	Unclassified
<b>MONOPROPYLENE GLYCOL (57-55-6)</b>	
LD50 oral rat	> 2000 mg / kg
<b>TRIETHYLENE GLYCOL (112-27-6)</b>	
LD50 oral rat	> 15 000 mg / kg
LD50 rat dermal	> 22 000 mg / kg
Skin corrosion / irritation:	Not classified pH: 7 - 8
Serious eye damage / eye irritation:	Not classified pH: 7 - 8
respiratory or skin sensitization :	Not classified
Germ cell mutagenicity :	Not classified
carcinogenicity :	Not classified
Reproductive toxicity:	Not classified
Specific toxicity for target organs (single exposure):	Not classified
Specific toxicity for target organs (repeated exposure):	Not classified
Aspiration hazard:	Not classified

**TITLE 12 : Ecological informations**

**12.1. Toxicity**

Ecology - general: This product is not considered toxic to aquatic organisms and does not cause long-term adverse effects in the environment.

<b>MONOPROPYLENE GLYCOL (57-55-6)</b>	
LC50 fish 1	> 500 mg/l 96h
<b>TRIETHYLENE GLYCOL (112-27-6)</b>	
LC50 fish 1	10000 mg/l <i>Leuciscus idus</i> (Ide); 48h
LC50 fish 2	5000 mg/l 24h
ErC50 (algae)	10000 mg/l <i>Daphnie</i> ; 24h
NOEC (acute)	320 mg/l <i>Pseudomonas putida</i> ; 16h

**12.2. Persistence**

<b>MONOPROPYLENE GLYCOL (57-55-6)</b>	
Persistence and degradability:	readily biodegradable
Degradation :	> 70% Exposure time 28 days
<b>TRIETHYLENE GLYCOL (112-27-6)</b>	
Persistence and degradability:	Not readily biodegradable

**12.3. Potential for bioaccumulation**

<b>TRIETHYLENE GLYCOL (112-27-6)</b>	
Potential for bioaccumulation:	High

#### 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

Additional information: Avoid release into the environment

### TITLE 13 : Considerations Disposal

#### 13.1. Waste treatment methods

Waste treatment methods: Dispose of contents / container in accordance with the sorting instructions from approved collector.

### TITLE 14 : Transport informations

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

#### 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

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

## TITLE 15 : Regulatory information

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

#### 15.1.1. EU regulations

Contains no substance subject to restrictions according to Annex XVII of REACH  
 Contains no substances of the candidate list of REACH  
 Does not contain substances listed in Annex XIV of REACH

#### 15.1.2. national regulations

No additional information available

#### 15.2. Evaluation of chemical safety

No chemical safety assessment has been carried out

## TITLE 16 : Other informations

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	Bispibjerg 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	Giftinformasjon	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
Turkye	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.