MATERIAL SAFETY DATA SHEET

I.1. Identification of the preparation	
Product form : Product Name :	Mixture MARK HAZER FLUID - ST HAZER BLOCK (5L)- WATER BASED
I.2. Relevant identified uses of the substand	e or mixture and uses
I.2.1. Relevant identified uses	
Use of the substance / mixture:	Liquid formulation used to produce an artificial hazer used in the entertainmen events, shows, clubs, theaters, training occupational safety drills.
	Professional use and general public use
I.2.2. Uses deprecated	No additional information available
L.3. Idendification of the company	
EQUIPSON s.a Avenida de Saler , n° 14 - Poligono Industrial 16460 - Silla - Valencia - Spain F +34 961 216 301 - F +34 961 200 242 www.equipson.es	L'Altero
I.4. Emergency Telephone Number	
Country Organisation/Company A France ORFILA	ddress Emergency Number Comments +33 1 45 42 59 59
Trance ORFILA FITLE 2: Hazards idendification 2.1. Classification of the substance or mixtu	+33 1 45 42 59 59
Trance ORFILA	+33 1 45 42 59 59
Trance ORFILA FITLE 2: Hazards idendification 2.1. Classification of the substance or mixtu	+33 1 45 42 59 59
Trance ORFILA FITLE 2: Hazards idendification 2.1. Classification of the substance or mixture	+33 1 45 42 59 59 e o. 1272/2008 [CLP] Unclassified
France ORFILA FITLE 2: Hazards idendification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) N Physicochemical harmful effects , for human	+33 1 45 42 59 59 e o. 1272/2008 [CLP] Unclassified
France ORFILA FITLE 2: Hazards idendification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) N Physicochemical harmful effects , for human	+33 1 45 42 59 59 re o. 1272/2008 [CLP] Unclassified health and the environment
France ORFILA FITLE 2: Hazards idendification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) N Physicochemical harmful effects , for human Fo our knowledge, this product does not present	+33 1 45 42 59 59 re o. 1272/2008 [CLP] Unclassified thealth and the environment sent any particular risk, subject to compliance with the general rules of industrial hygiene
France ORFILA TITLE 2: Hazards idendification 2.1. Classification of the substance or mixtur Classification according to Regulation (EC) N Physicochemical harmful effects , for humar To our knowledge, this product does not prese 2.2. Label Elements	+33 1 45 42 59 59 re o. 1272/2008 [CLP] Unclassified thealth and the environment sent any particular risk, subject to compliance with the general rules of industrial hygiene
France ORFILA FITLE 2: Hazards idendification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No Physicochemical harmful effects , for human Fo our knowledge, this product does not prese 2.2. Label Elements Labelling according to Regulation (EC) No. 12	+33 1 45 42 59 59 re o. 1272/2008 [CLP] Unclassified bealth and the environment sent any particular risk, subject to compliance with the general rules of industrial hygiene 272/2008 [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

3.1. Substance

Not applicable

3.2. Mixture

Product	Product Identifier	%	Classification according to Regulation EC No 1272/2008 (CLP)
(2,2'-(ETHYLENEDIOXY)DIETHANOL)	(CAS Number) 112-27-6 (CE Number) 203-953-2 (N° REACH) 01-2119438366-35	14 - 26	Unclassified

Full text of H-phrases: see section 16

4.1. First aid indications	
4.1. First aid indications	
First aid after inhalation :	Remove the personn 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 : First aid after ingestion:	Flush eyes with water as a precaution. Call a poison control center or physician if you feel unwell.
	can a poson control center of physician if you reer driwen.
4.2. Main symptoms and effects, acute and dela	nyed
	No additional information available
4.3. Indication of immediate medical attention a	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 of	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
	complete protection of the body
TITLE 6: Measures Accidental Release	
6.1. Personal precautions, protective equipment	
TITLE 6: Measures Accidental Release 6.1. Personal precautions, protective equipment 6.1.1. For non first-aiders Emergency Procedures:	
6.1. Personal precautions, protective equipment 6.1.1. For non first-aiders Emergency Procedures:	t and emergency procedures Ventilate spill area
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6.1. Personal precautions, protective equipment 6.1.1. For non first-aiders Emergency Procedures: 6.1.2. For rescuers Protection Equipment: 6.2. Precautions for environmental protection 6.3. Methods and materials for containment and Cleaning processes: Other informations : 6.4. Reference to other sections TITLE 7: Handling and storage 7.1. Precautions for safe handling Precautions for handling	t and emergency procedures Ventilate spill area Do not work without suited protective equipment. For more information, refer to Section 8: "Control of individual exposure-protection ". Avoid release into the environment. d cleaning Absorb the spilled liquid in absorbent material. Remove materials or solid residues in an authorized center For more information, see Section 13. Ensure good ventilation at the workplace
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6.1. Personal precautions, protective equipment 6.1.1. For non first-aiders Emergency Procedures: 6.1.2. For rescuers Protection Equipment: 6.2. Precautions for environmental protection 6.3. Methods and materials for containment and Cleaning processes: Other informations : 6.4. Reference to other sections TITLE 7: Handling and storage 7.1. Precautions for safe handling Precautions for handling without danger :	t and emergency procedures Ventilate spill area Do not work without suited protective equipment. For more information, refer to Section 8: "Control of individual exposure-protection ". Avoid release into the environment. d cleaning Absorb the spilled liquid in absorbent material. Remove materials or solid residues in an authorized center For more information, see Section 13. Ensure good ventilation at the workplace Wear personal protective equipment. Do not eat, drink or smoke when using this product Wash hands after handling. toompatibilities Store at temperatures above 0 ° C and below 50 ° C.
6.1. Personal precautions, protective equipment 6.1.1. For non first-aiders Emergency Procedures: 6.1.2. For rescuers Protection Equipment: 6.2. Precautions for environmental protection 6.3. Methods and materials for containment and Cleaning processes: Other informations : 6.4. Reference to other sections TITLE 7: Handling and storage 7.1. Precautions for safe handling Precautions for handling without danger : Hygiene measures: 7.2. Conditions for safe storage, including any in	t and emergency procedures Ventilate spill area Do not work without suited protective equipment. For more information, refer to Section 8: "Control of individual exposure-protection ". Avoid release into the environment. d cleaning Absorb the spilled liquid in absorbent material. Remove materials or solid residues in an authorized center For more information, see Section 13. Ensure good ventilation at the workplace Wear personal protective equipment. Do not eat, drink or smoke when using this product Wash hands after handling. toompatibilities Store at temperatures above 0 ° C and below 50 ° C. Keep only in the original container.
6.1. Personal precautions, protective equipment 6.1.1. For non first-aiders Emergency Procedures: 6.1.2. For rescuers Protection Equipment: 6.2. Precautions for environmental protection 6.3. Methods and materials for containment and Cleaning processes: Other informations : 6.4. Reference to other sections TITLE 7: Handling and storage 7.1. Precautions for safe handling Precautions for handling without danger : Hygiene measures: 7.2. Conditions for safe storage, including any in	t and emergency procedures Ventilate spill area Do not work without suited protective equipment. For more information, refer to Section 8: "Control of individual exposure-protection ". Avoid release into the environment. d cleaning Absorb the spilled liquid in absorbent material. Remove materials or solid residues in an authorized center For more information, see Section 13. Ensure good ventilation at the workplace Wear personal protective equipment. Do not eat, drink or smoke when using this product Wash hands after handling. toompatibilities Store at temperatures above 0 ° C and below 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: Hand protection : Eye protection: Skin and body protections: Respiratory Protection : Control of environmental exposure: Ensure good ventilation at the workplace. Protective gloves Safety glasses Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment 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, blue, green , violet
Odour :	no smell
Odour threshold:	No data available
рН :	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.

Acute toxicty: Unclassified (2,2'(FTHYLENEDIOXYDIETHANOL) 112-27-6 DSD or af art > 15 000 mg / kg Skin corrosion / irritation: Not classified pH: 7-8 Serious eye damage / eye irritation: Not classified Germ cell inutagenicity : Not classified Germ cell inutagenicity in target organs Not classified Cisol ish 1 Cological informations 12.1. Toxicity Cclogical informations 12.2. (FTHYLENEDIOXYDIETHANOL) 112-27-6 Persistence 2.2. (FTHYLENEDIOXYDIETHANOL) 112-27-6 Persistence Cclogical information 2.2. (FTHYLENEDIOXYDIETHANOL) 112-27-6 Persistence Cclogical information Cclogical information 2.2. (FTHYLENEDIOXYDIETHANOL) 112-27-6 Persistence Cclogical information Cclogical inform		
DSD oral rat > 15 000 mg / kg DSD rat dermal > 22 000 mg / kg Skin correspond / irritation: Not classified periods ever damage / eve irritation: Not classified period responding to book of the source of the s	Acute toxicty:	Unclassified
LDSD rat dermal > 22 000 mg / kg Skin corrosion / irritation: Not classified pH: 7-8 Not classified serious eye damage / eye irritation: Not classified pH: 7-8 Not classified serious eye damage / eye irritation: Not classified pH: 7-8 Not classified serious eye damage / eye irritation: Not classified gerin coxicity for target organs Not classified specific toxicity for target organs Not classified specific toxicity for target organs Not classified specific toxicity for target organs Not classified trepeated exposure): Specific toxicity for target organs Specific toxicity for target organs Not classified trepeated exposure): Specific toxicity for target organs Scology = genral: This product is not considered toxic to aquatic organisms and does not cause long-t 2.2.4 (ETHYLENEDIOXY)DIETHANOL) 112-27-6 Expose Expose 320 mg/l Paeudomonas putida; 16h 12.2. Persistence	(2,2'-(ETHYLENEDIOXY)DIETHANOL) 112-27-6	5
Skin corrosion / irritation: Def. 7 - 8 Serious eye damage / eye irritation: Def. 2 - 8 Serious eye damage / eye irritation: Def. 2 - 8 Serious eye damage / eye irritation: Not classified Serious eye damage / eye irritation: Serious eye eye eye eye eye eye eye eye eye ey	LD50 oral rat	> 15 000 mg / kg
serious eye damage / eye irritation: pH: 7 - 8 serious eye damage / eye irritation: Not classified serious eye damage / eye irritation: Not classified sigle exposure): seperific toxicity for target organs sigle exposure): sapiration 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-1 adverse effects in the environment. 2.2. (ETHVENEDIOXYDIETHANOL) 112-27-6 Source mg/l 24h Source mg/l 24h Source mg/l 24h Source and degradability: Not readily biodegradabile 12.3. Potential for bioaccumulation 12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPVB No additional information available 12.5. Results of PBT and vPVB No additional information available 12.5. Considerations Disposal 13.1. Waste treatment methods: Dispose of contents / container in accordance with the sorting instructions from ap collector.	LD50 rat dermal	
Serious eye damage / eye irritation: prit 7-8 respiratory or skin sensitization : Not classified Germ cell mutagenicity : Not classified Sericingenicity : Not classified Segricit toxicity for target organs Single exposure]: Sepcific toxicity for target organs Not classified Single exposure]: 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-t adverse effects in the environment. (2.2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 CSO fish 1 10000 mg/l Deaphnie: 24h NOEC (acute) 2.2. (ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence and degradability: Not readily biodegradabile 12.3. Potential for bioaccumulation 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence and degradability: Not additional information available 12.5. Results of PBT and vPvB No additional information available 13.1. Waste treatment methods: Dispose of contents / container in accordance with the sorting instructions from ap collector.	Skin corrosion / irritation:	
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Gerr cell mutagenicity : Not classified carcinogenicity: Not classified Specific toxicity for target organs Specific toxicity of target organ	respiratory or skin sensitization	
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Reproductive toxicity: Not classified specific toxicity for target organs Not classified toxicity Not classified Interpret de toxicity for target organs Not classified Interpret de toxic to active to acti		
specific toxicity for target organs Not classified single exposure): Not classified repeated exposure): Not classified spiration hazard: Not classified spiration hazard: Not classified spiration hazard: Not classified ITTLE 12: Ecological informations Iteration 12:1. Toxicity adverse effects in the environment. 2:2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Cost is not considered toxic to aquatic organisms and does not cause long-target adverse effects in the environment. 2:2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Cost is not considered toxic to aquatic organisms and does not cause long-target adverse effects in the environment. 2:2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Forewards adverse effects 2:2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Forewards adverse ad		
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repeated exposure): spiration hazard: Not classified TITLE 12: Ecological informations 21.1 Toxicity Cology - general: This product is not considered toxic to aquatic organisms and does not cause long-t adverse effects in the environment. 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 CSO fish 1 10000 mg/l Leuciscus idus(ide); 48h CSO fish 2 S0000 mg/l 24h CSO fish 2 S0000 mg/l 24h CSO fish 2 3200 mg/l Pseudomonas putida; 16h 2.2. Persistence 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Versistence and degradability: Not readily biodegradable 2.2(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Versistence and degradability: Not readily biodegradable 2.2. (ETHYLENEDIOXY)DIETHANOL) 112-27-6 Vo additional information available 2.2. (ETHYLENEDIOXY)DIETHANOL) 112-27-6 Vo additional information available 2.2. (ETHYLENEDIOXY)DIETHANOL) 112-27-6 Vo additional information available 2.2. (ETHYLENEDIOXY)DIETHANOL) 112-27-6 Vo additional information available 2.3. Results of PBT and vPvB No additional information available 2.4. Other adverse effects Vidditional information: Avoid release into the environment TITLE 13: Considerations Disposal 3.1. Waste treatment methods: Dispose of contents / container in accordance with the sorting instructions from ap collector.	single exposure):	
Aspiration hazard: Not classified TITLE 12: Ecological informations TITLE 12: Ecological informations This product is not considered toxic to aquatic organisms and does not cause long-t adverse effects in the environment. 2,2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 CSO fish 1 10000 mg/l Leuciscus idus(ide); 48h SCO00 mg/l 24h CSO (agae) 10000 mg/l Pseudomonas putida; 16h L2. Persistence 2,2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence 2,2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence and degradability: Not readily biodegradable L2. Potential for bioaccumulation 2,2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence and degradability: Not readily biodegradable L2. Potential for bioaccumulation 2,2-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Potential for bioaccumulation L2. Potential for bioaccumulation L2. Potential for bioaccumulation L2. A odditional information available L2. Consider and vPv8 No additional information available L2. Consider ations Disposal L3.1. Waste treatment methods Waste treatment methods: Dispose of contents / container in accordance with the sorting instructions from ap collector.	Specific toxicity for target organs	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-tadverse effects in the environment. (2,2'-(ETHYLENEDIOXY)DIETHANOL) 112-27-6 LC50 fish 1 10000 mg/l Leuciscus idus(Ide); 48h LC50 fish 2 5000 mg/l 24h Ec50 (algae) 10000 mg/l Pseudomonas putida; 16h 12.2. Persistence 22.2'(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence and degradability: Not readily biodegradable 12.3. Potential for bioaccumulation High 12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPv8 No additional information available 12.6. Other adverse effects Avoid release into the environment TITLE 13: Considerations Disposal Avoid release into the environment 11.1. Waste treatment methods: Dispose of contents / container in accordance with the sorting instructions from ap collector.		
12.1. Toxicity Ecology - general: This product is not considered toxic to aquatic organisms and does not cause long-t adverse effects in the environment. 2,2'(ETHYLENEDIOXY)DIETHANOL) 112-27-6 LC50 fish 1 10000 mg/l Leuciscus idus(ide); 48h LC50 fish 2 5000 mg/l 24h rc50 (algae) 10000 mg/l Daphnie; 24h NOEC (acute) 320 mg/l Pseudomonas putida; 16h 12.2. Persistence 2.2'(ETHYLENEDIOXY)DIETHANOL) 112-27-6 Persistence and degradability: Not readily biodegradable 12.3. Potential for bioaccumulation 11gh 12.4. Mobility in soil No additional information available 12.5. Results of PBT and vPv8 No additional information available 12.6. Other adverse effects Avoid release into the environment 11TLE 13: Considerations Disposal 13.1. Waste treatment methods: Dispose of contents / container in accordance with the sorting instructions from ap collector.	Aspiration hazard:	Not classified
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Waste treatment methods: Dispose of contents / container in accordance with the sorting instructions from ap collector.	TITLE 13: Considerations Dispo	osal
collector.	13.1. Waste treatment methods	
TITLE 14: Transport informations	Naste treatment methods:	Dispose of contents / container in accordance with the sorting instructions from approved collector.
	TITLE 14: Transport informations	
n accordance with the requirements of ADR / RID / IMDG / IATA / ADN		

Not applicable Not applicable N° ONU (ADR) : N° ONU (IMDG) : 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 Not applicable Proper Shipping Name (ADN) : 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 ΙΑΤΑ 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 No data available - Rail transport 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

TITLE 16: Other informations

Other informations :

None.

No chemical safety assessment has been carried out