



Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date:
8/20/2020

SECTION 1: Identification of the mixture and of the company

Product identifier: Pyro Fluid

Recommended Use: Product is intended for professional Special Effects use only.
Use of this material is at the sole risk of the purchaser.

Manufacturer:

Name: Roger George Special Effects
Address: 14525 Bessemer St. Van Nuys, CA 91411
E-Mail : sales@rogergeorge.com
Telephone Number: (818)994-3049 Emergency: 800-535-5053 #85740

SECTION 2: Hazards identification

OSHA/HCS Status: This mixture is considered hazardous by the OSHA Hazardous Communication Standard (29CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Classification of the mixture: Flammable liquid, Category 3
Skin Irritation, Category 2
Eye Irritation, Category 2A
Aspiration Hazard, Category 1

Hazard pictograms:



GHS02



GHS07



GHS08

Signal word: Danger

Hazard statements:

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness

Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands/face thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235	Store in a well-ventilated place. Keep cool.

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SECTION 3: Composition/information on ingredients

Chemical nature: Blend of solvents

Hazardous ingredients:

Substance	CAS #	EC No.	Conc.	Classification [Regulation (EC) No. 1272]
Confidential				

Additional information: There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence reporting in this section.

SECTION 4: First aid measures

Description of first aid measures

General information: Check vital functions. Prevent cooling by covering the victim. Keep watching victim. Give physiological aid. Keep victim calm, avoid physical strain. Never give alcohol to drink.

Following inhalation: If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Following skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes.

Following eye contact: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

Following ingestion: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation: No known effects of critical hazards

Skin contact: No known effects of critical hazards

Eye contact: No known effects of critical hazards

Ingestion: No known effects of critical hazards

Over exposure signs and symptoms

Inhalation: No known effects of critical hazards

Skin contact: No known effects of critical hazards

Eye contact: No known effects of critical hazards

Ingestion: No known effects of critical hazards

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None

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Special hazards arising from the mixture:	In a fire if heated, a pressure increase may occur and the container may burst. Vapors may form explosive mixtures with air.
Hazardous combustion products:	Carbon Oxides
Protective equipment for fire fighters:	Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode.
Flash point:	32°C (Calculated)

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through the spilled material. Put on appropriate personal protective equipment.

Protective equipment: None under normal use conditions

Emergency procedures: Keep upwind. Mark the area of release. Consider evacuation if necessary. Wash any contaminated clothing.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions: Avoid dispersal of spilled material and runoff and contact soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, air).

Methods and material for containment and cleaning up

Methods for containment: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulation.

Additional information: See Section 1 for contact information and Section 13 for waste disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling: Keep container closed when not in use.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container closed, dry and at a reasonable temperature.

Materials to avoid: None

Specific end uses: Special Effects

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

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N/A	N/A	N/A
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Environmental exposure controls: Environmental guidelines are not relevant when product is used as intended in an industrial setting.

Personal protective equipment

Eye Protection: No special protective equipment required
Hand Protection: No special protective equipment required
Skin and Body Protection: No special protective equipment required
Respiratory Protection: No special protective equipment required

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical/Chemical Property	Value/Range	Remark
Physical state @ 20°C	Liquid	
Appearance	Clear Liquid	
Color	Colorless to Yellow	
Odor	Solvents	
Odor threshold	N/A	
pH	N/A	
Melting point/freezing point (°C)	N/A	
Boiling point/boiling range (°C)	N/A	
Flash point (°C)	32°C	
Evaporation rate	N/A	
Flammability (solid, gas)	N/A	
Flammability limits		
Upper flammability limits (%)	N/A	
Lower flammability limits (%)	N/A	
Vapor pressure (mmHG)	N/A	
Vapor density (Air)	N/A	
Relative density (SG)	N/A	
Solubility (H ₂ O)	N/A	
Partition coefficient: n-octanol/water	N/A	
Auto-ignition temperature	N/A	
Decomposition temperature	N/A	
Viscosity		
Dynamic Viscosity (cP)	N/A	
Kinematic Viscosity (cSt)	N/A	

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SECTION 10: Stability and reactivity

Reactivity:	Not classified as a reactivity hazard.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Heat, cold, direct sunlight
Incompatible materials:	Oxidizing agents
Hazardous decomposition products:	Carbon Dioxide, Carbon Monoxide

SECTION 11: Toxicological information

Information on toxicological effects

Likely routes of exposure: Skin and eye contact

Acute toxicity

Classification: Not classified based on available information

Skin corrosion/irritation

In-vitro skin test: No information available.

Classification: Not classified based on available information

Eye damage/irritation

In vitro eye test: No information available.

Classification: Not classified based on available information

Sensitization to the respiratory tract

Classification: Not classified based on available information

Skin sensitization

Classification: Not classified based on available information

Germ cell mutagenicity

In vitro mutagenicity: No information available.

Classification: Not classified based on available information

Carcinogenicity

Classification: Not classified based on available information

Reproductive toxicity

Classification: Not classified based on available information

Specific target organ toxicity (single exposure)

Classification: Not classified based on available information

Specific target organ toxicity (repeated exposure)

Classification: Not classified based on available information

Aspiration hazard

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Classification: Not classified based on available information.

Symptoms related to the physical, chemical and toxicological characteristics:

Effects after ingestion: No Known Effects.

Effects after skin contact: No Known Effects.

Effects after inhalation: No Known Effects.

Effects after eye contact: No Known Effects.

Chronic Symptoms: No Known Effects.

SECTION 12: Ecological information

Toxicity

Classification: Not classified based on available information

Persistence and degradability

Classification: Not classified based on available information

Bio-accumulative potential

Classification: Not classified based on available information

Mobility in soil

Classification: Not classified based on available information

SECTION 13: Disposal considerations

Waste treatment methods

Product disposal: Disposal of this product, solutions and any byproducts should at all times comply with the requirements of the environmental protection and waste disposal legislation and any regional local authority. This material and its container must be disposed of in a safe way.

Packaging: Waste packaging should be recycled. Empty containers or liners may retain some product residues.

Waste treatment options: Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Other disposal recommendations: Dispose of the surplus and non-recyclable products via a licensed waste disposal contractor. Incineration or landfill should only be considered when recycling is not feasible.




Additional information: The generation of waste should be avoided or minimized wherever possible. Avoid dispersals of spilled material and runoff and contact with soil, waterways, drains and sewers.

California Hazardous Waste Codes: 214
(Non-household setting)

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SECTION 14: Transport information

	DOT	IMDG	IATA-DGR
UN Number	UN1993	UN1993	UN1993
UN Proper Shipping name	Flammable Liquid n.o.s.	Flammable Liquid n.o.s.	Flammable Liquid n.o.s.
Transport hazard Class(es)	3	3	3
Hazard label(s)			
Packing Group	III	III	III
Environmental Hazards			
Additional Information			

Special precautions for user: None

SECTION 15: Regulatory information

U.S. Federal regulations:

TSCA 8(d) H and S data reporting: Not applicable

SARA 302/304: Not applicable

SARA 311/312: Not applicable

SARA 313: Not applicable

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SECTION 16: Other information

Classification for mixtures according to regulation (EC) 1207/2008

Risk phrases:

Safety phrases:

Supplemental Hazard information:

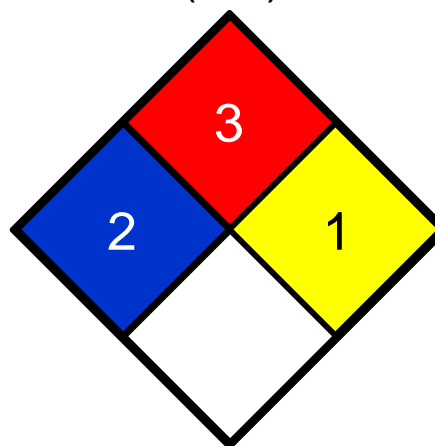
Further information: none

Indication of changes: initial

Hazardous Materials Identification System (HMIS)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	0

National Fire Protection Association (NFPA)



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Blue: Health hazard Red: Fire hazard Yellow: Reactivity hazard White: Special hazard

Abbreviations and acronyms:

<p>ADN = European Agreement concerning the International Carriage of Dangerous Goods by Waterway</p> <p>ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road</p> <p>ATE = Acute Toxicity Estimate</p> <p>BCF = Bio-concentration Factor</p> <p>BEI = Biological Exposure Limits</p> <p>DOT = Department of Transportation</p> <p>GHS = Globally Harmonized System of Classification and Labeling of Chemicals</p> <p>IATA = International Air Transport Association</p> <p>IBC = Intermediate Bulk Container</p> <p>ICAO = International Civil Aviation Organization</p> <p>IDLH = Immediately Dangerous</p>	<p>IMDG = International Marine Dangerous Goods</p> <p>LogPow = Logarithm of the Octanol/Water partition coefficient</p> <p>MARPOL 73/78 = International Convention on the Prevention of Pollution from Ships</p> <p>PEL = Permissible Exposure Limits</p> <p>REL = Recommended Exposure Limits</p> <p>RID = European Agreement concerning the International Carriage of Dangerous Goods by Rail</p> <p>STEL = Short-Term Exposure Limits</p> <p>TLV = Threshold Limit Values</p> <p>TWA = Time Weighted Average</p> <p>UN = United Nations</p>
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Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or the completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.