



# MATERIAL SAFETY DATA SHEET

Theatrical Flash Typ A and B all calibers

<b>SECTION I - PRODUCT IDENTIFICATION</b>	
<b>Product Name:</b>	THEATRICAL FLASH
<b>Product Use:</b>	Pyrotechnic for technical use
<b>WHMIS/OSHA Class:</b>	Not controlled
<b>T.D.G./DOT Classification:</b>	1.4G, UN0431 (EX2013050648)
<b>Manufacturer:</b>	Bavaria Fireworks GmbH & Co. KG
<b>Address:</b>	Kotzinger Str. 21, D 83278 Traunstein
<b>Phone:</b>	+49 (0) 861 / 211 730 24
<b>Emergency Phone Number:</b>	+49 (0) 861 / 211 730 24

<b>SECTION II - INGREDIENTS</b>				
Ingredients	CAS#	ACGIH-TLV	LC50	LD50
Potassium Perchlorate (oxidant)	7778-74-7	n/k	n/k	n/k
Potassium Nitrate (oxidant)	7757-79-1	n/k	n/k	n/k
Aluminium	7429-90-5	n/k	n/k	n/k
Magnesium	7439-95-4	n/k	n/k	n/k
Titanium	7440-32-6	n/k	n/k	n/k

<b>SECTION III - PHYSICAL DATA</b>			
<b>Boiling Point</b>	Not available	<b>Specific Gravity (H2O = 1):</b>	Not available
<b>Vapour Pressure (mmHg @ 20 aC):</b>	Not available	<b>% Volatile (Wt %):</b>	Not available
<b>Vapour Density (Air = 1):</b>	Not available	<b>Evaporation Rate (Water = 1):</b>	Not available
<b>Solubility in Water:</b>	Soluble	<b>pH:</b>	Not known
<b>Physical State:</b>	Powder	<b>Viscosity:</b>	Not available
<b>Appearance and Odour:</b>	Grey powder in a Sealed plastic tube	<b>Odour Threshold (ppm):</b>	Not available

<b>SECTION IV - FIRE AND EXPLOSION DATA</b>					
<b>Flammability:</b>			Flammable		
<b>Flash Point (deg C, TCC):</b>	Not available	<b>LEL:</b>	Not available	<b>UEL:</b>	Not available
<b>Hazardous Combustion Products:</b>			Not available		
<b>Auto ignition Temperature (deg C):</b>			Not available		
<b>Means of Extinction:</b>			Not available		
<b>Special Fire Hazards:</b>			Localised effect. Hazardous effects normally confined to the package unless the package has been degraded by fire, in which case not such that fire fighting is hindered.		

<b>SECTION V - REACTIVITY DATA</b>	
Conditions for Chemical Instability:	Excessive humidity.
Incompatible Materials:	Acids
Reactivity, and Under What Conditions:	Not available
Hazardous Decomposition Products:	Not available

<b>SECTION VI - TOXICOLOGICAL PROPERTIES</b>	
Route of Entry:	Eye, inhalation.
<b>EFFECTS OF ACUTE EXPOSURE:</b>	
Eye:	May cause irritation.
Inhalation:	May cause respiratory irritation, difficulty in breathing, headaches, nausea and vomiting.
Irritancy :	Non-hazardous.
Respiratory Tract Sensitization:	No data available.
Carcinogenicity:	No data available.
Teratogenicity: Reproductive Effects:	No data available.
Mutagenicity:	No data available.
Synergistic Materials:	No data available.

<b>SECTION VII - PREVENTATIVE MEASURES</b>	
Gloves:	Cotton or leather recommended.
Eye Protection:	Safety glasses recommended.
Respiratory Protection:	(If used in enclosed place with no ventilation) full-face respirator.
Other Protective Equipment:	As required by employer code.
Engineering Controls:	General ventilation normally adequate
Leak and Spill Procedure:	No smoking. No naked flames. Sweep or pick up articles. Swill down spillage area with water.
Waste Disposal:	Hold underwater and make a hole in the cover to allow water entry. Leave soaking for 48 hours (away from ignition sources). Review federal, provincial and local government requirements prior to disposal.

<b>SECTION VIII - FIRST AID</b>	
Eye:	Immediately flush with water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention if irritation develops.
Skin:	Not a normal route of harmful exposure. Flush with water. Wash thoroughly with soap and water. Obtain medical attention if irritation develops.
Inhalation:	Not a normal route of harmful exposure. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion:	Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

<b>SECTION IX - PREPARATION INFORMATION</b>			
Date:	25.01.2016	MSDS Prepared by:	Bavaria Fireworks GmbH & Co. KG
Phone:	+49 (0) 861 / 211 730 24	MSDS at	www.bavariafireworks.com