



Firequick Products, Inc.
 P.O. Box 910
 Inyokern, CA 93527
 bsumners@firequick.com



MATERIAL SAFETY DATA SHEET (MSDS)	HEALTH = 1 SLIGHT FLAMMABILITY = 3 SEVERE REACTIVITY = 0 NONE
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SECTION I CRITICAL NUMBERS	SECTION I CRITICAL NUMBERS
TRADE NAME FireQuick Flares "Hot Shot", "Stubby", "Big Shot" "Chubbie"	EMERGENCY TELEPHONE Infotrac (800) 535-5053
Proper Shipping Name Flammable Solid, Inorganic, n.o.s. (Aluminum Powder)	DOT Classification UN 3178, 4.1, Packaging Group III
MANUFACTURER NAME Firequick Products, Inc.	MANUFACTURER PHONE (760) 377-5766
Address P.O. Box 910, Inyokern CA 93527	

SECTION II HAZARDOUS INGREDIENTS	WEIGHT (grams per flare)
Proprietary Component A	25-197
Proprietary Component B	5-40
Proprietary Component C	20-158
Proprietary Component D	.45-1.5
Proprietary Component E	.195-.325

SECTION III PHYSICAL DATA FOR MATERIAL			
Boiling Point	N/A	Specific Gravity	1.43
Vapor Pressure	N/A	Physical State	Solid
Solubility in Water	Insoluble	pH	Neutral
Color	Gray	Odor Threshold	N/A

SECTION IV FIRE AND EXPLOSION HAZARD DATA	
Flash Point Self Ignites at 800 o F	UEL: N/A LEL: N/A
MEANS OF EXTINCTION: FLOODING WITH WATER, DRY SAND, OR CARBON DIOXIDE. FLARES CAN IGNITE IF PACKAGING IS BURNING. LARGE AMOUNTS OF WATER MAY PREVENT FLARE IGNITION IF PACKAGING IS BURNING.	
SPECIAL PROCEDURES: FIREQUICK FLARES ARE PACKAGED IN BOXES OF 10 TO 50 EACH. WHEN IGNITED FLARES ARE ENERGETIC PRODUCING MOLTEN MATERIALS IN EXCESS OF 4000° F WITH LOCALIZED SMOKE. HEAT/FLAME IS THE ONLY KNOWN IGNITION SOURCE. FLOOD WITH WATER TO EXTINGUISH, DON'T INHALE FUMES WHEN WATER IS APPLIED.	
EXPLOSIVE HAZARD: FLARES WILL NOT EXPLODE. DELAY FUSE IS PRESSURE SENSITIVE AND IS PROTECTED BY SEAL, WHICH IS BROKEN BY THE OPERATOR BEFORE USE.	HAZARDOUS COMBUSTION PRODUCTS: REACTION PRODUCES SUPERHEATED CALCIUM SULFIDE, WHICH REACTS WITH WATER TO PRODUCE HYDROGEN SULFIDE GAS. HUMAN EXPOSURE TO H ₂ S @ 800-1000PPM FOR 30 MINUTES MAY BE FATAL.

SECTION V REACTIVITY DATA**STABILITY:** STABLE UNDER NORMAL CONDITIONS OF USE.**INCOMPATIBLE CONDITIONS:** AVOID TEMPERATURE ABOVE 800 ° F. STRONG ACIDS.**HAZARDOUS DECOMPOSITION PRODUCTS:** WHEN BURNING IN CONTACT WITH WATER, H₂S**SECTION VI HEALTH DATA**

ROUTE OF ENTRY: INHALATION: YES, OF COMBUSTION PRODUCTS
 INGESTION: N/A
 EYE CONTACT: YES, OF COMBUSTION PRODUCTS
 SKIN ABSORPTION: NO

SYMPTOM/EFFECT OF OVEREXPOSURE:

THE FLARE CAN BE HANDLED IN ITS PACKAGED STATE WITH NO RISK OF EXPOSURE. PRIMARY HAZARD IS EXPOSURE TO HOT COMBUSTION PRODUCTS CAUSING BURNS TO SKIN AND EYES. INHALATION OF COMBUSTION PRODUCTS IS PRIMARY ROUTE OF ENTRY TO HUMANS. THESE PRODUCTS CONTAIN CALCIUM OR HYDROGEN SULFIDE, WHICH IS IRRITANT TO EYES AND MUCUS MEMBRANES.

CARCINOGENICITY: NONE KNOWN**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:****FLARE:** NONE KNOWN**COMBUSTION REACTION:** PROTECT EYES FROM "FLASH" DURING REACTION. SKIN BURNS CAN RESULT IF EXPOSED TO HOT COMBUSTION PRODUCTS.**INHALATION:** PRE-EXISTING CHRONIC UPPER RESPIRATORY AND LUNG DISEASES SUCH AS, BUT NOT LIMITED TO, BRONCHITIS, PHYSERA, AND ASTHMA.**SECTION VII PREVENTIVE MEASURES****GLOVES:** SUITABLE FOR PROTECTION FROM POTENTIAL HIGH TEMPERATURE PRODUCTS.**EYEWARE:** SAFETY GLASSES AND/OR GOGGLES SHOULD BE WORN TO PROTECT FROM COMBUSTION MATERIALS.**VENTILATION:** FLARE IS TO BE USED IN OUTDOOR ENVIRONMENT ONLY. FLARE IGNITION NO CLOSER THAN 20 FEET TO HUMAN IS REQUIRED.**SPILLAGE:** IF FLARES ARE CRUSHED DURING HANDLING, CAREFULLY PICK UP DAMAGED FLARE AND DISCARD IN APPROVED LANDFILL OR INCINERATE.**SECTION VIII SPECIAL PRECAUTIONS**

STORE MATERIAL IN A COOL DRY AREA AND RESTRICT SMOKING AND OPEN FLAMES. DO NOT BREATHE LARGE QUANTITIES OF SMOKE GENERATED DURING REACTION.



Approval: Michael D. Jacobson Date: 02/16/06
 CEO, Inventor, Quoin International, Inc.

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