

MSDS Document

Product AUTO EMG KIT = FLARES, COMPONENT OF KIT, DAW-4

1. Chemical Product and Company Identification

Trade Name of this Product AUTO EMG KIT = FLARES, COMPONENT OF KIT, DAW-4

MSDS ID MSDS01415

Manufacturer

STANDARD FUSEE CORPORATION

P.O. Box 1047

EASTON, MD 21601

Phone Number

(800) 637-7807

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 10/1/93

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
POTASSIUM PERCHLORATE. (LESS THAN OR EQUAL TO 10% BY WEIGHT)	7778-74-7		0	N.A	
POTASSIUM PERCHLORATE. (LESS THAN OR EQUAL TO 10% BY WEIGHT)	7778-74-7		0	N.A	
SULFUR. (LESS THAN OR EQUAL TO 10% BY WEIGHT)	7704-34-9		0	N/A	

3. Hazard Identification

Route Of Entry Inds - Inhalation: YES Skin: YES Ingestion: NO

Carcinogenicity Inds - NTP: NO IARC: NO OSHA: NO

Health Hazards Acute And Chronic: PRIMARY ROUTES OF ENTRY: INHALATION/DERMAL CONTENT. EYES: CORROSIVE TO EYES. SKIN: IRRITATING TO SKIN. INHALATION: IRRITATION TO LUNGS AND MUCOUS MEMBRANES. INGESTION: MAY BE HARMFUL IF SWALLOWED.

Explanation of Carcinogenicity: NOT KNOW TO BE CARCINOGENIC.

Signs and Symptoms of Overexposure: N/P

Medical Conditions Aggravated by Overexposure: N/P

4. First Aid Information

EYE CONTACT: IMMEDIATELY FLUSH WITH POTABLE WATER FOR A MINIMUM OF 15 MINUTES. CALL A PHYSICAN. SKIN CONTACT: IMMEDIATELY FLUSH WITH WATER FOR 15

MINUTES. CALL A PHYSICIAN. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. CALL A PHYSICIAN. INGESTION: IF CONTENTS ARE INGESTED, IMMEDIATELY GIVE LARGE QUANTITIES OF WATER OR EPSOM SALT SOLUTION. INDUCE VOMITING AND CALL A PHYSICIAN.

5. Fire Fighting Measures

Flash Point STORE IN A COOL DRY

Flash Point: =176.7C, 350.F

Flash Point Text: (OVEN)

Auto Ignition Temperature Text:

Lower Limits: N.A. Upper Limits: N.A.

Extinguishing Media: USE WATER DELUGE/FLOODING METHODS. SUFFOCATION TECHNIQUES WILL NOT BE EFFECTIVE.

Fire Fighting Procedures: USE NIOSH APPROVED POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS WHEN ANY MATERIAL IS INVOLVED IN FIRE.

Unusual Fire/Explosion Hazard: FLAMMABLE/COMBUSTIBLE MATERIALS, MAY BE IGNITED BY HEAT, SPARKS OR FLAMES. MAY BURN RAPIDLY WITH FLARE BURNING EFFECT. NO THREAT OF MASS EXPLOSION.

6. Accidental Release Measures

Spill Release Procedures: IN LARGE QUANTITIES, REMOVE ALL SOURCES OF IGNITION. IF TUBE IS BROKEN, WEAR NIOSH APPROVED DUST RESPIRATOR. FOLLOW O.S.H.A. REGULATIONS FOR RESPIRATORY USE (SEE 29 CFR 1910.134). WEAR GOGGLES, IMPERVIOUS COVERALLS, GLOVES AND BOOTS. CLEAN UP IN A MANNER TO MINIMIZE CONTAMINATION WITH ORGANIC MATERIAL. DO NOT RETURN (OTHER INFO).

Neutralizing Agent: N/P

Waste Disposal Methods: DISPOSE OF CONTAMINATED PRODUCT, EMPTY CONTAINER & MATERIALS USED IN CLEANING UP SPILLS/ LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE & LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES. OPEN BURNING IS PREFERRED METHOD OF DISPOSAL FOR PYROTECHNICS, IN COMPLIANCE WITH STATE AND LOCAL REGULATIONS.

7. Handling and Storage

STORE IN A COOL DRY PLACE AWAY FROM ALL SOURCES OF IGNITION. EXERCISE CAUTION WHEN USING PRODUCT SINCE MOLTEN FLECKS MAY BE EMITTED. DO NOT USE PRODUCT NEAR ANY FLAMMABLE OR COMBUSTIBLE MATERIALS. AVOID CONTACT WITH STRONG OXIDIZERS. AVOID OPEN FLAMES AND TEMPERATURES ABOVE >167F.

8. Exposure Controls and Personal Protection

Respiratory Protection: NIOSH APPROVED DUST RESPIRATOR.

Ventilation: THIS PRODUCT SHOULD ONLY BE USED OUTDOORS. IF USED INDOORS, LOCAL MECHANICAL VENTILATION IS RECOMMENDED TO MINIMIZE EXPOSURE.

Protective Gloves: IMPERVIOUS GLOVES (FP N).

Eye Protection: ANSI APPROVED SAFETY GLASSES (FP N).

Other Equipment: EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N). FOLLOW DIRECTIONS ON PACKAGE. ALWAYS POINT FUSEE AWAY FROM FACE AND

BODY WHILE IGNITING AND AFTERWARDS.

Work Hygenic Practices: EYEWASH AND DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N). FOLLOW DIRECTIONS ON PACKAGE. ALWAYS POINT FUSEE AWAY FROM FACE AND BODY WHILE IGNITING AND AFTERWARDS.

Supplemental Safety & Health: KEEP ITEMS OUT OF THE REACH OF CHILDREN.

9. Physical and Chemical Properties

Boiling Point:

N.A.

Melting/Freezing Point:

N.A

Decomposition Temp:

N/P

Vapor Pressure: N.A. Vapor Density: N.A.

Specific Gravity: N.A.

PH: N/P

Viscosity: N/P

Evaporation Rate & Reference: N.A.

Solubility in Water: >300 G/L POWDER

Appearance and Odor: RED CARDBOARD TUBE CONTAINING YELLOWISH-TAN SOLID MIXTURE. ODOR:NONE SPECIFIED

Percent Volatiles by Volume: N/P

Corrosion Rate: N/P

10. Stability and Reactivity

Stability Indicator: YES

Stability Conditions to Avoid: HIGH HEAT, IGNITION SOURCES OF ANY KIND.

Materials to Avoid: STRONG OXIDIZERS, CHLORATE SALTS.

Hazardous Decomposition Products: SULFUR OXIDES, NITROGEN OXIDES, CARBON MONOXIDE.

Hazardous Polymerization Products: NO

Conditions to Avoid Polymerization: WILL NOT OCCUR.

11. Toxicological Information

N/P

12. Ecological Information

N/P

13. Disposal Considerations

DISPOSE OF CONTAMINATED PRODUCT, EMPTY CONTAINER & MATERIALS USED IN CLEANING UP SPILLS/ LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL, STATE & LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES. OPEN BURNING IS PREFERRED METHOD OF DISPOSAL FOR PYROTECHNICS, IN COMPLIANCE WITH STATE AND LOCAL REGULATIONS.

14. Transportation Information

D.O.T. SHIPPING CLASSIFICATION: FUSEE, 4.1, NA1325, II. TRANSPORTATION
EMERGENCY NO. (CHEMTREC): 1-800-424-9300.

15. Regulatory Information

SARA Title III: SPILL/RELEASE: MATERIAL TO ORIGINAL CONTAINER. PLACE IN A FRESH CONTAINER AND ISOLATE. DO NOT SEAL THE CONTAINER. IN THE EVENT OF A LARGE SPILL, CALL THE EMERGENCY TELEPHONE NUMBER. (CHEMTREC -1-800-424-9300).
PRODUCT: COMPONENT OF KIT. CHEMICAL FAMILY: PYROTECHNIC DEVICE. VENDOR PART NUMBER: DAW-4. STANLEY MAIL MEDIA INTERNAL REFERENCE NUMBER: 13-107(A). SMM INTERNAL REFERENCE NUMBER: 13-107.
Federal Regulatory: Y

16. Other Information