

EASTERN AERO MARINE

Material Safety Data Sheet
Survival Kits, Individual

SECTION I - CHEMICAL IDENTIFICATION

Manufacturer's name: Eastern Aero Marine	Emergency telephone number: Within USA: 1-800-255-3924 – Outside USA: 1-813-248-0585
--	---

Address: *street, city, state and ZIP code*
5502 NW 37th Avenue, Miami, Florida 33142 USA

Trade name and synonyms:
Survival Kits, Individual; Supplemental Raft Accessories Kits; Slide/Raft Survival Kits

Survival Kit Model No. Part No	Hazardous Materials (See Section II)						Survival Kit Model No. Part No	Hazardous Materials (See Section II)					
	Matches	Lithium Batteries	Sterno, Canned Fuel	Trioxane Fuel Bars	12 Ga. Flare Cartridges	Day/Night Flares		Matches	Lithium Batteries	Sterno, Canned Fuel	Trioxane Fuel Bars	12 Ga. Flare Cartridges	Day/Night Flares
LSK-1 S3008-101	✓	-	-	-	-	-	UTSK-50 S3123-101	✓	-	-	-	✓	✓
LSK-1-5 S3008-103	✓	-	-	-	-	-	PSK-28 S3102-101	✓	-	✓	-	✓	
LSK-2 S3012-101	✓	✓	-	-	✓	✓	PSK-47 S3100-101	✓	✓	✓	-	✓	
LSK-4 S3001-101	✓	-	-	-	✓	-	AFSK-7 S3035-101	✓	-	-	-	✓	✓
JSK-14 S3026-101	✓	-	-	-	✓	-	AFSK-7 S3035-103	✓	-	-	-	-	-
DSK-15 S3027-101	✓	-	-	-	-	✓	SRAK-20 S3058-101	-	-	-	-	-	✓
FASK-28 S3089-101	✓	-	✓	-	✓	-	SRAK-84 S3072-101	-	-	-	-	-	✓
JDSK-16 S3032-101	✓	-	-	-	✓	✓	DOISK S3037-101	✓	-	-	-	✓	-
FASK-21 S3031-101	✓	-	✓	-	✓	-	ISK-1/1 S3021-101	✓	-	-	-	-	-
SSAK-14 S3025-101	✓	-	-	-	-	-	ISK-MH S3029-101	✓	-	-	-	-	-
UTSK-3 S3097-101	✓	-	-	-	-	-	SK-747-2 S3038-101	-	-	-	-	-	✓
UTSK-5 S3111-101	✓	✓	-	-	-	✓	Renewal Kit -2 S3051-101	-	-	-	-	-	✓
UTSK-5 S3111-103	✓	✓	-	-	-	✓	SK-747-4 S3045-101	-	✓	-	-	-	✓
UTSK-7 S3067-101	✓	-	-	✓	-	✓	Base Kit -4 S3053-101	-	✓	-	-	-	-
UTSK-10 S3112-101	✓	-	-	-	✓	✓	Renewal Kit -4 S3054-101	-	-	-	-	-	✓
UTSK-17 S3015-101	✓	-	-	-	✓	✓	-	-	-	-	-	-	-
UTSK-20 S3118-101	✓	-	-	-	✓	✓	-	-	-	-	-	-	-

US DOT shipping nomenclature:
Life Saving Appliance, Not Self-Inflating, UN3072

Chemical family: NA	Formula: NA
-------------------------------	-----------------------

SECTION II - HAZARDOUS INGREDIENTS

Paints, Preservatives, and Solvents	%	TLV Units	Alloys and Metallic Coatings	%	TLV Units
Pigments	NA	NA	Base Metal	NA	NA
Catalyst	NA	NA	Alloys	NA	NA
Vehicle	NA	NA	Metallic Coatings	NA	NA
Solvents	NA	NA	Filler Metal Plus Coating or Core Flux	NA	NA
Additives	NA	NA		NA	NA
Other	NA	NA	Other	NA	NA

Hazardous mixtures of other liquids, solids, or gases:

- | | |
|--|--|
| <p>1.- Matches, Strike Anywhere, UN1331</p> <p>2.- Lithium Batteries, contained in equipment, UN3091</p> <p>3.- Sterno (gelled alcohol, canned cooking fuel);
 <i>Contains 67% Ethanol CAS# 64-17-5
 and 3-4% Methanol CAS# 67-56-1.</i>
 Flammable Solids, Organic, n.o.s. (Contains Ethanol)
 UN1325, Class 4.1, PGIII</p> <p>4.- Ration, Heating Fuel, Compressed, Trioxane;
 <i>Contains 1, 3, 5 Trioxane CAS# 110-88-3.</i>
 Flammable Solids, Organic, n.o.s.
 (Contains 1,3,5 Trioxane)
 UN1325, Class 4.1, PGIII</p> | <p>5.- Pyrotechnic Signaling Device (flares) Including:
 Day/Night Handheld Flares-
 Signal Devices, Hand, UN0191, 1.4G
 12 Gauge Flare Launcher Cartridges-
 Cartridges, Signal, UN0312, 1.4G</p> |
|--|--|

SECTION III - PHYSICAL DATA

Boiling Point °F	NA	Specific Gravity $H_2O = 1$	NA
Vapor Pressure mm Hg	NA	Percent, Volatile By Volume %	NA
Vapor Density Air = 1	NA	Evaporation Rate	NA
Solubility in Water	NA	Appearance and Odor	NA

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point (method used): Auto Ignition > 350 °F	Flammable limits: NA	LFL: NA	UFL: NA
--	-------------------------	------------	------------

Extinguishing media:
Water deluge, sand.

Special fire fighting procedures:
As with any fire, wear protective clothing and self-contained breathing apparatus (SCBA) to avoid inhalation of hazardous decomposition product. Pyrotechnic signaling device (flares) may include material that contains its own oxygen to maintain burning, do not try to smother or use dry chemical.

Unusual fire and explosion hazards:
Closed cans of Sterno exposed to flame and heat might erupt, scattering fragments. Trioxane Fuel Bars are considered a moderate fire risk and burns with a colorless flame. Like any sealed container, battery cells may rupture when exposed to excessive heat; this could result in the release of flammable and corrosive materials. Survival Kits contain pyrotechnic signaling devices (flares) that are explosive. Flares will burn with intense heat when exposed to fire. Keep away from flame or flame producing sources.

SECTION V - HEALTH HAZARD DATA

Threshold limit value: NA	Effects of overexposure: NA	Emergency and first aid procedure: NA
------------------------------	--------------------------------	--

SECTION VI - REACTIVITY DATA

Stability:	Unstable		Conditions to avoid: Open flames, sparks, or high temperature.
	Stable	✓	
Incompatibility (materials to avoid): <p style="text-align: center;">NA</p>			
Hazardous decomposition products: When heated, alkaline batteries may emit hazardous vapors or caustic potassium hydroxide.			
Hazardous Polymerization:	May occur		Conditions to avoid: Do not heat, disassemble, or recharge batteries.
	Will not occur	✓	
Survival kits are stable if stored in the original package in cool, dry condition. Do not subject survival kits to high temperatures or excessively humid conditions.			

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Hazardous materials are contained in sealed units within packed Survival Kits. Spills should pose no threat if the sealed units are not breached.

If pyrotechnic signaling device ruptures, material spilled from unit should be swept away and burned by trained personnel. Avoid creating dust. Ignition sources must be avoided.

If Sterno spills, remove all sources of ignition. Provide adequate ventilation. Absorb on vermiculite, paper, or other absorbent material. Flush area with water.

For Trioxane Fuel Bar spills, avoid sparks, open flames, or any other sources of ignition. Avoid contact with strong acids or oxidizing materials.

Handle materials with care.

Waste disposal method:

Dispose of all hazardous materials in accordance with Federal, State, and Local regulations. Contact local or state environmental agencies for specific rules.

Incineration is the preferred method of disposal of pyrotechnic materials and Trioxane Fuel Bars.

Incinerate or bury batteries in accordance with regulations.

Dispose of unused portion of Sterno in accordance with regulations. Do not dump in sewers, any bodies of water, or onto the ground.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory protection (specify type): <p style="text-align: center;">NA</p>		
Ventilation	Local exhaust <p style="text-align: center;">NA</p>	Special: <p style="text-align: center;">NA</p>
	Mechanical (general): <p style="text-align: center;">NA</p>	Other: <p style="text-align: center;">NA</p>
Protective gloves: <p style="text-align: center;">NA</p>	Eye protection: <p style="text-align: center;">NA</p>	Other protective equipment: <p style="text-align: center;">NA</p>

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:

Handle survival kits with care. These units should be stored in a cool, dry area away from danger of sparks, heat or flame.