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Product Identification	
Product Name	Horizontal Stimulation Tool
Trade Names and Synonyms	HST, StimGun™ Sleeve, StimTube™ , Well Stimulation Tool™, Propell™, Propell™ Sleeve
Manufacturer/Distributor	Reliance Technology Specialists, LLC

Hazardous Components			
Material or Component	CAS No.	TLV	PEL
Potassium perchlorate < 65%	7778-74-7	N/A	N/A
Epoxy	N/A	NE	NE
Epoxy hardener	N/A	NE	NE
N/A = Not assigned or Not applicable NE = Not established			

Physical Data	
Boiling Point	N/A
Pressure	N/A
Vapor Density	N/A
Solubility in Water	None
Specific Gravity	1.6
Melting Point	>200°C
Evaporation Rate	N/A
Appearance and Odor	“Plastic-like” cylinders, 38 to 150 mm OD x 0.5 to 2 m length. May be dyed various colors including, but not limited to, red or white.

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Hazardous Reactivity	
Stability	Yes
Conditions to avoid	Avoid excess heating over long periods of time. Avoid physical alteration (sawing, hammering, etc.)
Materials to avoid	N/A
Hazardous decomposition	Thermal decomposition or combustion may produce phenolics and/or oxides of carbon.
Polymerization	Polymerization will not occur.

Fire and Explosion Data	
Flashpoint	Non flammable
Extinguishing media	<ul style="list-style-type: none"> • Use water spray. • Use water to keep containers cool. • Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing.
Special fire fighting procedures	<ul style="list-style-type: none"> • Move containers from fire area if possible. • Do not try to smother • Consult the 2000 Emergency Response Guidebook, Guide 140 for further details.
Unusual fire and explosion hazards	<ul style="list-style-type: none"> • Use flooding amounts of water, apply from as far as a distance as possible. • Evacuate to a radius of 800 meters.

Health Hazards	
General	<ul style="list-style-type: none"> • StimGun does not present health hazards in normal handling and use. • Fumes/smoke generated during use/burning are skin, eye, and respiratory tract irritants. • Contact with epoxy resin may cause skin sensitization.
Toxicity	LD50-LC50 mixture: None
Carcinogenicity	NTP: No IARC: No OSHA No

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First Aid	
Inhalation	Not a likely route of exposure. If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably by mouth-to-mouth. If breathing is difficult, give oxygen. Seek prompt medical attention.
Eye and skin contact	Not a likely route of exposure. Flush eyes with water. Wash skin with soap and water
Ingestion	Not a likely route of exposure. Induce vomiting immediately by giving two glasses of water and sticking finger down throat.

Spill or Leak Procedures	
Spill/leak response	Pick up spilled product and return to packaging.
Waste disposal	Dispose of in compliance with federal regulations under the authority of the Resource Conservation and Recovery Act (40 CFR Parts 260-271).

Special Protection Information	
Ventilation	Pick up spilled product and return to packaging.
Respiratory	N/A
Eye	N/A
Gloves	N/A
Other	N/A

Special Precautions
Keep away from friction, impact, and heat. Do not consume food, drink, or tobacco in areas where they may become contaminated with these materials.

Storage Conditions
Store in cool, dry, fire-resistant bldg, separate from flammable materials.



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Shipping Information		
Proper shipping name	Potassium perchlorate, solid, mixture	
Hazard class	5.1	
UN Number	UN1489	
DOT Label & Placard	Dot Label	
	DOT Placard	
Transportation Guidelines	Highway and Rail	May be carried with 1.4 products
	Air	May be stowed with 1.4S products. May not be stowed with other class 1 products1 .
	Vessel	Must be separated from 1.4 products. Must be stowed in separate compartment or hold from 1.1 products.

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