



Material Safety Data Sheet (MSDS-SG)

PRODUCT IDENTIFICATION	
Product Name	StimGun™
Trade Names and Synonyms	Well Stimulation Tool, StimGun™ Sleeve, StimTube™, HST
Manufacturer/Distributor	Owen Oil Tools
Transportation Emergency	800-255-3924 (24 hrs -- CHEM • TEL)

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
Vapor 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 230 mm OD x 0.3 to 2 m length. Tan in color, but may be dyed various colors including, but not limited to, red or white.

HAZARDOUS REACTIVITY	
Stability	Stable under ordinary conditions of transportation and storage
Conditions to avoid	Heat, flames, and ignition sources. 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 as products contain their own oxygen ◆ Consult the 2008 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.



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.
Toxicity	LD50-LC50 mixture: None
Carcinogenicity	NTP: No IARC: No OSHA: No

FIRST AID	
Inhalation	Not a likely route of exposure.
Eye and skin contact	Not a likely route of exposure.
Ingestion	Not a likely route of exposure.

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 <i>Resource Conservation and Recovery Act</i> (40 CFR Parts 260-271).

SPECIAL PROTECTION INFORMATION	
Ventilation	N/A
Respiratory	N/A
Eye	N/A
Gloves	N/A
Other	N/A

STORAGE CONDITIONS	
<ul style="list-style-type: none"> ◆ Store items away from highly flammable materials or sources of very high heat. ◆ Do not smoke in the vicinity of the items. 	

SHIPPING INFORMATION		
Proper shipping name	Potassium perchlorate, 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 products.
	Vessel	Must be separated from 1.4 products. Must be stowed in separate compartment or hold from 1.1 products.

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For further information contact:

David W. Boston, President
OWEN COMPLIANCE SERVICES, INC.
 12001 County Road 1000
 P.O. Box 765
 Godley, TX 76044
 Telephone number: 817-551-0660
 FAX number: 817-396-4584

MSDS prepared by:

David W. Boston
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