



Slurran 406

Material Safety Data Sheet

SEC Investments Corp. LLC.

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SECTION 1 - PRODUCT INFORMATION

TRADE NAME:	Slurran 406
SYNONYM:	NA
CHEMICAL FAMILY:	Blasting Agent Slurry
FORMULA:	Mixture
CAS NUMBER:	None
UN/NA NUMBER:	UN0332
DOT HAZARD CLASS:	Explosive, blasting, Type E, Class 1.5D

SECTION 2 - HEALTH ALERT

DANGER - If misused or disposed of improperly, material could explode and cause death or serious injury.

DO NOT HANDLE WHEN IN DOUBT!

See section VIII - Personal Protection

CHEM-TEL, INC. (800) 255-3924.

SECTION 3 - HEALTH HAZARD INFORMATION

EYE: May cause moderate irritation.

SKIN: May cause moderate irritation characterized by redness and/or rash.

INHALATION: Inhalation of decomposed products may irritate the respiratory tract. Prolonged exposure to these fumes may result in respiratory difficulties (shortness of breath, etc.) and possibly more severe toxic effects.

INGESTION: Swallowing large quantities may cause toxicity characterized by dizziness, bluish skin coloration, methemoglobinemia, unconsciousness, abdominal spasms, nausea, and pain.

SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Flush with large amounts of water. Seek medical aid.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water.

INHALATION: Remove from exposure. If breathing stops or is difficult, administer artificial respiration or oxygen. Seek medical aid.

INGESTION: Give 8-16 oz. of milk or water. Induce vomiting. Seek medical aid.

SECTION 5 - RECOMMENDED OCCUPATIONAL EXPOSURE LIMIT/ HAZARDOUS INGREDIENTS

EXPOSURE LIMIT (PRODUCT): None required for product.

<u>HAZARDOUS GREDIENTS</u>	<u>PERCENT</u>	<u>CAS No.</u>	<u>Exposure Limit</u>
Ammonium Nitrate	10-20%	6484-52-2	Not Listed
Sodium Nitrate	2-4%	7601-89-0	Not Listed
Calcium Nitrate	8-10%	7697-37-2	2ppm
Sodium Acetate	<1%	127-09-3	Not Listed
Nitrocellulose*	20-25%	9004-64-17-5	Not Listed
Dinitrotoluene*	4-6%	25321-14-6	TLV=1.5 mg/m3
Dibutylphthalate*	1-2%	84-74-2	TLV=5 mg/m3
Diphenylamine*	<0.6%	122-39-4	TLV=10 mg/m3

*Present fixed in the smokeless powder propellant pellets, not as free chemical in a mixture.

Product is actually propellant grains suspended in a gelled solution matrix.

NOTE: All ingredients are present in a gelled slurry matrix and individual hazard may not be present in this formulation.

SECTION 7-FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT & METHOD: NA **AUTO IGNITION TEMPERATURE:** Explodes

FLAMMABLE LIMITS (% BY VOLUME/AIR): LOWER: NA **UPPER:** NA **EXTINGUISHING MEDIA:** Water

FIRE-FIGHTING PROCEDURES: When explosive is burning **EVACUATE AREA.** Avoid breathing vapor.

Slurran 406

Material Safety Data Sheet

SECTION 7-FIRE AND EXPLOSION HAZARD INFORMATION (cont.)

FIRE & EXPLOSION HAZARDS: Dangerous when exposed to heat or flame. Can support combustion of other materials involved in a fire and is capable of undergoing detonation if heated to high temperatures, especially under confinement, including being piled on itself in a burning fire. When heated to decomposition, highly toxic fumes may be emitted. Do not return to area of explosion until smoke and fumes have dissipated. The smokeless powder grains are especially susceptible to impact, friction, and electrostatic stimuli, when separated from the Watergel matrix and allowed to dry out.

SECTION 8-PERSONAL PROTECTION INFORMATION

EYE PROTECTION: Safety goggles approved for the handling of explosives materials.

SKIN PROTECTION: Neoprene, natural rubber, polyethylene or polyvinyl chloride gloves. Use barrier creams, hand protection, and protective clothing.

RESPIRATORY PROTECTION: Not normally required. Mechanical filter or supplied air type respirator as required.

VENTILATION: Maintain adequate ventilation. Use local exhaust if needed.

SECTION 9-PERSONAL HANDLING INSTRUCTIONS

HANDLING: Explosives should not be abandoned at any location for any reason. Do not handle during electrical storms.

STORAGE: Store in a cool, dry, well-ventilated area remote from operations. Storage area should be in accordance with appropriate BATF regulations. Organic materials, flammable substances, and finely divided metals should be stored separately. Flames, smoking, and unauthorized personnel are prohibited where this product is used or stored. Protect against physical damage, static electricity, excessive impact, friction, and lightning.

WARNING: Use of this product by persons lacking adequate training, experience, and supervision may result in death or serious injury. Obey all Federal, State, and local laws/regulations applicable to transportation, storage, handling, and use of explosives.

DISTANCE: Always stay away from area of explosion or disposal sites. Stay behind suitable barriers.

SECTION 10-SPILL & LEAK PROCEDURES

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED (IN ADDITION, SEE SECTION 8): Isolate area. Eliminate all sources of ignition. Avoid skin contact. Scrape up. Remove soiled clothing.

WASTE DISPOSAL-USE APPROPRIATE METHOD (S): Disposal of unexploded or deteriorated explosives material can be hazardous. Expert assistance is positively recommended in destroying explosives. Accidents can be prevented by thorough planning and handling in accordance with approved methods. Consult your supervisor, or the nearest SEC Regional office for assistance. If improperly disposed of, material could explode and cause death or serious injury.

In all cases, follow facility emergency response procedures. Contact Facility Environmental Manager for assistance. Report any discharge of oil or hazardous substance that may enter surface waters to the National Response Center (800) 424-8802. Observe all applicable local, state, and federal environmental spill and water quality regulations.

SECTION 11-PHYSICAL DATA

BOILING POINT: NA

MELTING POINT: NA

VAPOR PRESSURE: NA

SOLUBILITY IN WATER: Negligible with short-term exposure

BULK DENSITY: 1.5g/cc

% VOLATILE BY VOLUME: 0

EVAPORATION RATE (ETHER=1): 0

APPEARANCE/ODOR: Gel

SECTION 12-COMMENTS

This product is classified as a Blasting Agent and need not be stored in a high explosive magazine, except where required by local regulations, as long as it is completely separate from any high explosives. Storage should be in a well-constructed, well-ventilated, dry structure located to conform to local, state, and federal regulations. The area surrounding an explosive magazine must be kept clear of combustible materials for a distance of 50 feet. Magazine floors and containers must be properly cleaned.

Normal operating conditions are assumed unless otherwise stated. If any given information is not clear or does not apply to your situation, STOP, store the material suitably, and seek correct help from your supervisors or the Institute of Makers of Explosives, Bureau of Alcohol, Tobacco, and Firearms regulations for explosive storage and handling should be consulted and complied with. Disposal sites must be clear of people at the time of disposal.

NOTICE: The data and recommendations presented herein are based upon data, which are considered accurate. However, SEC makes no guarantee or warranty, either expressed or implied, of the accuracy or completeness of these data and recommendations.

For more detailed information on the hazards of this product, contact the Regulatory Compliance Department at the address below:

DetaCorp, PO Box 462, Columbus, Kansas 66724, (620) 597-2552

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