

WRIGHT-MIX MATERIAL - PYRO-CHEM USA

MATERIAL SAFETY DATA SHEET – PRODUCT: “TNT”

SECTION 1.	CHEMICAL PRODUCT & COMPANY IDENTIFICATION
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A.	Manufacturer	Pyro-Chem Corporation P.O. Box 884 South Point, OH 45680 (740) 377-2244 Phone (740) 377-2283 Fax
B.	Product Identifier	Pyro-Chem Mine Sealant Type “PRO SEAL TNT”
C.	Product Description	Gray Paste

SECTION 2.	COMPOSITION / INFORMATION ON INGREDIENTS
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	<u>% BY WEIGHT</u>	<u>TLV/TWA</u>
SILICIC ACID, SODIUM SALT	10-30	5mg/m ³
(CAS #1344-09-8)		
TITANIUM DIOXIDE	5	10mg/m ³
(CAS #13463-67-7)		
TALC	5-10	2mg/m ³
(CAS #14807-96-6)		
CELLULOSE	5-10	10mg/m ³
(CAS #9004-34-6)		

TLV/TWA = Threshold Limit Value/Time-Weighted Average by American Conference of Governmental Industrial Hygienists (ACGIH)
See Section 12.

SECTION 3.	HAZARDS IDENTIFICATION
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EMERGENCY OVERVIEW:

An ACGIH Threshold Limit Value has not been established for this mixture.

Due to the alkalinity, product can be irritating to eyes, skin, mucous membranes of the respiratory tract, mouth, throat and stomach.

POTENTIAL HEALTH EFFECTS:

INHALATION:

Exposure to mist or spray may cause coughing, sneezing and/or irritation of the respiratory tract.

EYE CONTACT:

Eye contact can cause tearing, redness, and severe irritation.

SKIN CONTACT:

Prolonged contact may result in areas of destruction of primary dermal tissues and skin diseases may be aggravated by exposure.

INGESTION:

Can cause irritation to mucous membranes of gastrointestinal tract.

CHRONIC:

Prolonged contact or inhalation of vapors may result in destruction of primary dermal tissue and mucous membranes. Lung and skin diseases may be aggravated by exposure.

SECTION 4.	FIRST AID MEASURES
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INHALATION:

Remove to fresh air. If breathing is difficult, administer oxygen. If breathing stops, administer artificial respiration, **seek medical attention immediately.**

EYE CONTACT:

Immediately flush with water for fifteen minutes holding eyelids apart. **Seek medical attention immediately.**

SKIN CONTACT:

Flush thoroughly with water for at least fifteen minutes. Consult physician if irritation persists.

INGESTION:

Do not induce vomiting. Give large quantities of water or milk. If vomiting occurs, make certain air passages are clear. **Seek medical attention immediately.** (Never give anything by mouth to an unconscious person.)

N/A = Not Applicable

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SECTION 5.	FIRE FIGHTING MEASURES
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FLASHPOINT AND METHOD..... No flash to boiling, 212°F (Tag closed up)
FLAMMABLE LIMITS..... UPPER: N/A
LOWER: N/A

GENERAL HAZARD:

None

FIRE FIGHTING INSTRUCTIONS:

Product is non-combustible, extinguish with media appropriate for surrounding fire. Water, foam, CO² or dry chemical may be used.

FIRE FIGHTING EQUIPMENT:

Use a self-contained breathing apparatus and protective clothing.

Use extinguishing media appropriate for surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS:

None

SECTION 6.	ACCIDENTAL RELEASE MEASURES
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GENERAL:

Consult proper authorities on the disposal of recovered materials to ensure disposal in compliance with local, state and federal regulations.
Product is slippery, wear non-skid footwear.

SPILL:

Small spills may be scooped up with a shovel and placed in a waste container.

Large spills should be diked with sand or earth, and steps taken to prevent discharges into waterways or sewer systems.

SECTION 7.	HANDLING AND STORAGE
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STORAGE TEMPERATURE..... 35° - 100°F
STORAGE PRESSURE..... Atmospheric

GENERAL:

Keep containers sealed when not in use. Do not store in aluminum containers as flammable hydrogen gas may be generated.
Protect from freezing. Frozen product should be allowed to thaw gradually, and stirred before using.

EMPTY CONTAINERS:

Do not reuse empty containers without commercial cleaning or reconditioning.

SECTION 8.	EXPOSURE CONTROLS / PERSONAL PROTECTION
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ENGINEERING CONTROLS:

Use only with adequate ventilation.

PERSONAL PROTECTION:

GENERAL:

Use NIOSH approved respirator or equivalent if application produces vapors, mists, fumes & dusts.

PROLONGED OR REPEATED CONTACT:

Wear chemical resistant rubber protective gloves or equivalent and chemical safety goggles. Use protective clothing to minimize contact with skin. Wash contaminated clothing before reuse.

POSSIBLE CONTACT:

Wear chemical resistant rubber protective gloves or equivalent, chemical safety goggles, and protective clothing. Non-skid footwear is recommended for areas of spill or overspray.

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SECTION 9.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Gray Paste
ODOR	Slight
VAPOR PRESSURE	N/A
VAPOR DENSITY	N/A
SPECIFIC GRAVITY	1.31
WEIGHT PER GALLON	10.5 – 11.0 lbs.
SOLUBILITY IN WATER	Moderate
EVAPORATION RATE	Same as water
% VOLATILE	50-60% by volume
BOILING POINT	Approx. 212°F
FREEZING POINT	30°F
VISCOSITY	Approx. 500,000 cps (Brookfield)
pH	11.0 – 12.0
VOC (Volatile Organic Compound)	None

SECTION 10.

STABILITY AND REACTIVITY

GENERAL:

Stable.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Acids, salts and alcohols will gel material with some generation of heat.

HAZARDOUS DECOMPOSITION:

Hydrogen

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 11.

TRANSPORT INFORMATION

DOT (Department of Transportation)

PROPER SHIPPING NAME..... N/A

HAZARD CLASS..... N/A

IDENTIFICATION NUMBER..... N/A

SECTION 12.

REGULATORY INFORMATION

SARA TITLE III – (Superfund Amendments and Reauthorization Act)

313 REPORTABLE INGREDIENTS:

None.

OSHA SUBPART Z:

Cellulose, Titanium Dioxide, and Talc are listed as inhalation hazards, but are perceived to be of minimal hazard under normal use.

CERCLA

There is no reportable quantity for this material.

SECTION 13.

OTHER INFORMATION

Do not sand or grind dry product, as respirable dust may be generated.

Please ensure that all persons coming into contact with this product are aware of the information contained in this MSDS. Information presented herein has been compiled from sources considered to be reliable and is accurate and reliable to the best of our knowledge and belief but not guaranteed to be so. It is the user's responsibility to determine for himself the suitability of any material for the specific use and to adopt such safety precautions as may be necessary. If you need any further information for us to make the determinations, which you must make to use this material safely, please contact PYRO-CHEM CORPORATION.

DATE: March 25, 2011