SECTION 1 – IDENTIFICATION

Name, Address, and Telephone of the Responsible Party
Dyno Nobel Inc.
2795 East Cottonwood Parkway, Suite 500
Salt Lake City, Utah 84121
Phone: 801-364-4800 Fax 801-321-6703
E-Mail: dnna.hse@am.dynonobel.com www.dynonobel.com

Product Identifier
Product Form: Mixture
Product Name: Bulk Emulsion

Other Means of Identification
Synonyms:
DYNO GOLD® TITAN® 2000
DYNO GOLD® LITE TITAN® 2000G
EXTRAMITE 1000 TITAN® PB 1000
RUG-1 (Canada Only) TITAN® PB 2000
TITAN® 1000 TITAN® PB 2000 HF
TITAN® 1000 GREEN TITAN® SME 1000
TITAN® 1000G TITAN® SME 1000 GREEN
TITAN® 1000G GREEN TITAN® XL1000 GREEN
TITAN® XL1000 TITAN® HD
SMS 1116, 1116A, 1126P, 1136P, 1146P TITAN® SME 2000
DX5037 TITAN® 5000
TITAN® 5000 G

Intended Use of the Product
Industrial blasting applications as emulsion explosive precursor

Emergency Telephone Number
FOR 24 HOUR EMERGENCY, CALL CHEMTREC (USA) 800-424-9300
CANUTEC (CANADA) 613-996-6666

SECTION 2 – HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture
Classification (GHS-US)
Ox. Liq. 2 H272
Acute Tox. 4 (Oral) H302
Skin Irrit. 2 H315
Carc. 2 H351
STOT RE 2 H373
Asp. Tox. 1 H304
Eye Irrit. 2B H320

Label Elements
GHS-US Labeling

Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Danger
Hazard Statements (GHS-US) : H272 - May intensify fire; oxidizer
                                  H302 - Harmful if swallowed
                                  H304 – May be fatal if swallowed and enters airways
                                  H315 - Causes skin irritation
                                  H320 – Causes eye irritation
                                  H351 - Suspected of causing cancer
                                  H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements (GHS-US) : P201 - Obtain special instructions before use
                                      P202 - Do not handle until all safety precautions have been read and understood
                                      P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
                                      P220 - Keep/Store away from clothing, combustible materials, combustibles
                                      P221 - Take any precaution to avoid mixing with combustible materials, clothing, combustibles
                                      P233 - Keep container tightly closed
                                      P260 - Do not breathe dust, fume, mist, spray, vapors
                                      P264 - Wash exposed areas thoroughly after handling
                                      P270 - Do not eat, drink or smoke when using this product
                                      P273 - Avoid release to the environment
                                      P280 - Wear protective gloves/protective clothing/eye protection/face protection
                                      P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
                                      P302+P352 - IF ON SKIN: Wash with plenty of soap and water
                                      P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
                                      P308+P313 - If exposed or concerned: Get medical advice/attention
                                      P312+P313 - If skin irritation occurs: Get medical advice/attention
                                      P362 - Take off contaminated clothing and wash before reuse
                                      P370+P378 - In case of fire: Use appropriate media to extinguish
                                      P403+P235 - Store in a well-ventilated place. Keep cool
                                      P405 - Store locked up
                                      P501 - Dispose of contents/container according to local, regional, national, and international regulations

Other Hazards
Hazards Not Otherwise Classified (HNOC): Not available
Other Hazards: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Product identifier</th>
<th>% (w/w)</th>
<th>Ingredient Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium nitrate</td>
<td>(CAS No) 6484-52-2</td>
<td>45 - 80</td>
<td>Ox. Sol. 3, H272</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td>Calcium nitrate</td>
<td>(CAS No) 10124-37-5</td>
<td>0.1 - 35</td>
<td>Ox. Sol. 3, H272</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td>Sodium nitrate</td>
<td>(CAS No) 7631-99-4</td>
<td>0.1 - 18</td>
<td>Ox. Sol. 3, H272</td>
</tr>
</tbody>
</table>
### SECTION 4 - FIRST AID MEASURES

**Description of First Aid Measures**

**General:** Never give anything orally to an unconscious person. If you feel unwell, seek medical advice (provide this Safety Data Sheet to medical personnel).

**Inhalation:** If symptoms occur, go into fresh air and ventilate suspected area. Seek medical attention.

**Skin Contact:** Remove contaminated clothing. Wash with soap and water followed by rinsing with water. Seek medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Seek medical attention immediately.

**Most Important Symptoms and Effects Both Acute and Delayed**

**General:** May be harmful if swallowed. May cause eye or skin irritation.

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** May cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Ingestion:** Likely to be harmful if swallowed.

**Chronic Symptoms:** Contains an ingredient which may cause cancer. Causes damage to organs through prolonged or repeated exposure.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

If symptoms occur, seek medical attention.

### SECTION 5 - FIRE-FIGHTING MEASURES

**Extinguishing Media**

**Suitable Extinguishing Media:** Do not attempt to fight fires involving explosive materials or emulsion explosive precursors. Evacuate all personnel to a predetermined safe location, no less than 1/2 mile (800 meters) in all directions.

**Unusual Fire and Explosion Hazards:** May explode or detonate under fire conditions. Burning material may produce toxic vapors.

**Unsuitable Extinguishing Media:** Not available

**Special Hazards Arising from the Substance or Mixture**

In large, intense fires the emulsion can behave more like an explosive and detonate from confinement or strong shocks. Evacuation of at least 1 mile is recommended if a large amount of emulsion is involved in a large fire.
**Fire Hazard:** May intensify fire; oxidizer. Will burn if exposed to heat, and in addition, will accelerate the burning of other combustibles, resulting in more rapid spread of fire.

**Explosion Hazard:** Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May explode when subjected to fire, supersonic shock or high-energy projectile impact, especially when confined or in large quantities.

**Reactivity:** May cause or intensify fire; oxidizer. May accelerate the burning of other combustible materials.

**Advice for Firefighters**

**Precautionary Measures Fire:** DO NOT ATTEMPT TO FIGHT FIRES INVOLVING EXPLOSIVE MATERIALS. Evacuate all personnel to a predetermined safe location, no less than 1/2 mile (800 meters) in all directions. Can explode or detonate under fire conditions. Burning material may produce toxic vapors.

**Firefighting Instructions:** DO NOT ATTEMPT TO FIGHT FIRE. Immediately evacuate all personnel from the area to a safe distance. Guard against re-entry. Thermal decomposition can lead to release of irritating gases and vapors.

**Protection During Firefighting:** When controlling fire before involvement of explosives or explosive precursors, fire-fighters should wear positive pressure self-containing breathing apparatus (SCBA) and full turnout gear.

**Hazardous Combustion Products:** Nitrogen oxides. Carbon oxides (CO, CO₂). Ammonia.

**Other information:** Do not attempt to fight fires involving explosive materials or emulsion explosive precursors. Evacuate all personnel to a predetermined safe location, no less than 1/2 mile (800 meters) in all directions.

**Reference to Other Sections:** Refer to section 9 for flammability properties.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid all contact with skin, eyes, or clothing. Avoid breathing dust, mist, or spray. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Eliminate every possible source of ignition. Evacuate danger area.

**For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

**For Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

**Emergency Procedures:** Ventilate area.

**Environmental Precautions**

Prevent entry to sewers and public waters.

**Methods and Material for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes as necessary to prevent migration and entry into sewers or streams. Do not take up in combustible material such as: saw dust or cellulosic material.

**Methods for Cleaning Up:** Collect spillage for possible reuse. Clean up spills immediately and dispose of waste in accordance with appropriate state, federal and local regulations.

**Reference to Other Sections**

See heading 8, Exposure Controls and Personal Protection

## SECTION 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

It is recommended that users of explosives material be familiar with the Institute of Makers of Explosives Safety Library publications.

**Additional Hazards When Processed:** When heated to decomposition, emits toxic fumes. Do not puncture or incinerate containers.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

**Conditions for Safe Storage, Including Any Incompatibilities**
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep away from combustible materials, extremely high or low temperatures, direct sunlight, ignition sources, incompatible materials.
Incompatible Materials: Corrosives, strong acids, strong bases and alkalis.

### SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Product identifier:</th>
<th>ACGIH TLV-TWA</th>
<th>OSHA PEL-TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium nitrate</td>
<td>(CAS No) 6484-52-2</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Sodium nitrate</td>
<td>(CAS No) 7631-99-4</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Calcium nitrate</td>
<td>(CAS No) 10124-37-5</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Methylamine nitrate</td>
<td>(CAS No) 22113-87-7</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Fuels, diesel, no. 2</td>
<td>(CAS No) 68476-34-6</td>
<td>100 ppm</td>
<td>None</td>
</tr>
<tr>
<td>Distillates, petroleum, chemically neutralized light naphthenic</td>
<td>(CAS No) 64742-35-4</td>
<td>5 mg/m³ (mist)</td>
<td>None</td>
</tr>
</tbody>
</table>

**Exposure Controls**

Under normal conditions of use, over-exposure is not expected to occur.

**Appropriate Engineering Controls:** Ensure all national/local regulations are observed. Ensure adequate ventilation, especially in confined areas. Keep containers tightly sealed.

**Personal Protective Equipment:** Protective goggles. Gloves. Protective clothing.

**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or face shield.

**Skin and Body Protection:** Not available.

**Respiratory Protection:** Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits. Under normal conditions of use and handling there is minimal likelihood for the this exposure limit to be reached.

**Other Information:** When using or handling, do not eat, drink or smoke.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Information on Basic Physical and Chemical Properties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Translucent to opaque viscous liquid.</td>
</tr>
<tr>
<td>Odor</td>
<td>Fuel</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Evaporation Rate (butylacetate=1)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
</tbody>
</table>
**Decomposition Temperature**: Not available
**Flammability (solid, gas)**: Not available
**Lower Flammable Limit**: Not available
**Upper Flammable Limit**: Not available
**Vapor Pressure**: Not available
**Relative Vapor Density at 20 °C**: Not available
**Relative Density**: Not available
**Specific Gravity**: 0.8 - 1.5 g/cc
**Solubility**: Water: Nitrate salts are completely soluble, but emulsion dissolution is very slow.
**Partition coefficient: n-octanol/water**: Not available
**Viscosity**: Not available
**Explosion Data – Sensitivity to Mechanical Impact**: Not sensitive to mechanical impact. May be sensitive to supersonic explosively driven projectile impacts.
**Explosion Data – Sensitivity to Static Discharge**: Not sensitive to static discharge.

---

**SECTION 10 - STABILITY AND REACTIVITY**

**Reactivity**: May cause or intensify fire. May accelerate the burning of other combustible materials.
**Chemical Stability**: May intensify fire. May explode when subjected to fire, supersonic shock or high-energy projectile impact, especially when confined or in large quantities.
**Possibility of Hazardous Reactions**: Hazardous polymerization will not occur.
**Incompatible Materials**: Corrosives, strong acids, strong bases and alkalis.
**Hazardous Decomposition Products**: Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Nitrogen oxides. Toxic vapors. Ammonia. Carbon monoxide.

---

**SECTION 11 - TOXICOLOGICAL INFORMATION**

Under normal conditions of use, over-exposure is not expected to occur. Minor skin exposure is most likely.

**Information on Toxicological Effects - Product**

**Acute Toxicity**: Harmful if swallowed.
**LD50 and LC50 Data**: ATE Oral 1,510 (mg/kg)
**Skin Corrosion/Irritation**: Causes skin irritation.
**Serious Eye Damage/Irritation**: May cause eye irritation
**Respiratory or Skin Sensitization**: Not classified
**Germ Cell Mutagenicity**: Not classified
**Teratogenicity**: Not available
**Carcinogenicity**: Contains a substance which has been shown to cause cancer in laboratory animals. IARC Group 2A Probably carcinogenic to humans.

**Specific Target Organ Toxicity (Repeated Exposure)**: May cause damage to organs through prolonged or repeated exposure.
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: May be fatal if swallowed and enters airways.
Symptoms/Injuries After Inhalation: May cause respiratory irritation.
Symptoms/Injuries After Skin Contact: May cause skin irritation.
Symptoms/Injuries After Eye Contact: May cause eye irritation.
Symptoms/Injuries After Ingestion: May be harmful if swallowed. May be harmful if swallowed and enters airways. Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.
Chronic Symptoms: May cause cancer. May cause damage to organs through prolonged or repeated exposure.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD50 Oral Rat</th>
<th>LC50 Inhalation Rat</th>
<th>ATE CLP (oral)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium nitrate (6484-52-2)</td>
<td>2217 mg/kg</td>
<td>&gt; 88.8 mg/l/4h</td>
<td>2217.000 mg/kg body weight</td>
</tr>
<tr>
<td>Sodium nitrate (7631-99-4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>1267 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATE CLP (oral)</td>
<td>1267.000 mg/kg body weight</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fuels, diesel, no. 2 (68476-34-6)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ATE CLP (vapors)</td>
<td>11.000 mg/l/4h</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillates, petroleum, chemically neutralized light naphthenic (64742-35-4)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LC50 Fish 1</th>
<th>EC 50 Aquatic Invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium nitrate (6484-52-2)</td>
<td>95-102 mg/l (Exposure time: 48 h - Cyprinus carpio (Common carp))</td>
<td>490 mg/l (Exposure time 48 h - Daphnia magna)</td>
</tr>
<tr>
<td>Sodium nitrate (7631-99-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 Fish 1</td>
<td>2000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</td>
<td></td>
</tr>
<tr>
<td>LC 50 Fish 2</td>
<td>994.4 - 1107 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])</td>
<td></td>
</tr>
<tr>
<td>Fuels, diesel, no. 2 (68476-34-6)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 Fish 1</td>
<td>35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
<td></td>
</tr>
<tr>
<td>Calcium nitrate (10124-37-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LC50 Fish 1</td>
<td>10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Persistence and Degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulk Emulsion</td>
<td></td>
</tr>
<tr>
<td>Persistence and Degradability</td>
<td>Not established.</td>
</tr>
<tr>
<td>Sodium nitrate (7631-99-4)</td>
<td></td>
</tr>
<tr>
<td>Persistence and Degradability</td>
<td>Readily biodegradable in water.</td>
</tr>
</tbody>
</table>
### Bioaccumulative Potential

<table>
<thead>
<tr>
<th>Bulk Emulsion</th>
<th>Bioaccumulative Potential</th>
<th>Not established.</th>
</tr>
</thead>
</table>

### Ammonium nitrate (6484-52-2)

- **BCF fish**: 1  
  *(no bioaccumulation expected)*
- **Log Pow**: -3.1 *(at 25 °C)*

### Sodium nitrate (7631-99-4)

- **Log Pow**: -3.8 *(at 25 °C)*
- **Bioaccumulative Potential**: Not expected to bioaccumulate.
- **Mobility in Soil**: Not available
- **Other Adverse Effects**
- **Other Information**: Avoid release to the environment.

### SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**: Contact manufacturer for advice on proper disposal methods.

**Waste Disposal Recommendations**: Collect spillage for possible reuse. Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information**: Clean up even minor leaks or spills if possible without unnecessary risk.

### SECTION 14 - TRANSPORT INFORMATION

#### 14.1 In Accordance with DOT

- **Proper Shipping Name**: AMMONIUM NITRATE EMULSION
- **Hazard Class**: 5.1
- **Identification Number**: UN3375
- **Label Codes**: 5.1
- **Packing Group**: II
- **ERG Number**: 140

#### 14.2 In Accordance with IMDG

- **Proper Shipping Name**: AMMONIUM NITRATE EMULSION
- **Hazard Class**: 5.1
- **Identification Number**: UN3375
- **Packing Group**: II
- **Label Codes**: 5.1
- **EmS-No. (Fire)**: F-H
- **EmS-No. (Spillage)**: S-Q

#### 14.3 In Accordance with IATA

- **Proper Shipping Name**: AMMONIUM NITRATE EMULSION
- **Identification Number**: UN3375
- **Hazard Class**: 5
- **Label Codes**: 5.1
- **ERG Code (IATA)**: 5L

#### 14.4 In Accordance with TDG

No UN number exists for blasting intermediates for Transport Canada (use the following for Canadian shipments)

- **Proper Shipping Name**: EXPLOSIVE, BLASTING, TYPE E
- **Packing Group**: II
- **Hazard Class**: 1.5D
- **Identification Number**: UN0332
### SECTION 15 - REGULATORY INFORMATION

**US Federal Regulations**

<table>
<thead>
<tr>
<th>Bulk Emulsion</th>
</tr>
</thead>
</table>
| **SARA Section 311/312 Hazard Classes** | Immediate (acute) health hazard  
Reactive hazard  
Delayed (chronic) health hazard  
Fire hazard |

**Ammonium nitrate (6484-52-2)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Sodium nitrate (7631-99-4)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Fuels, diesel, no. 2 (68476-34-6)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Calcium nitrate (10124-37-5)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Distillates, petroleum, chemically neutralized light naphthenic (64742-35-4)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**US State Regulations**

**Ammonium nitrate (6484-52-2)**
- U.S. – California – Air Toxics "Hot Spots" (A-I)
- U.S. - Massachusetts - Right To Know List
- U.S. - New Jersey - Right to Know Hazardous Substance List
- U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
- U.S. - Pennsylvania - RTK (Right to Know) List
- U.S. – Rhode Island – RTK (Right to Know) List

**Sodium nitrate (7631-99-4)**
- U.S. - Massachusetts - Right To Know List
- U.S. - Pennsylvania - RTK (Right to Know) List
- U.S. – Rhode Island – RTK (Right to Know) List

**Fuels, diesel, no. 2 (68476-34-6)**
- U.S. - New Jersey - Right to Know Hazardous Substance List

**Calcium nitrate (10124-37-5)**
- U.S. - New Jersey - Right to Know Hazardous Substance List

**Canadian Regulations**

**Bulk Emulsion**

| WHMIS Classification | Note: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada. |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision date**
- 10/02/2018

**Other Information**
- This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
## GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>Classification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Inhalation)</td>
<td>Acute toxicity (inhalation) Category 4</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard Category 1</td>
</tr>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity Category 2</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids Category 3</td>
</tr>
<tr>
<td>Ox. Liq. 2</td>
<td>Oxidizing liquids Category 2</td>
</tr>
<tr>
<td>Ox. Sol. 3</td>
<td>Oxidizing solids Category 3</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity (repeated exposure) Category 2</td>
</tr>
<tr>
<td>H205</td>
<td>May mass explode in fire</td>
</tr>
<tr>
<td>H227</td>
<td>Combustible liquid</td>
</tr>
<tr>
<td>H272</td>
<td>May intensify fire; oxidizer</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs (Thymus, Liver, bone marrow) through prolonged or repeated exposure</td>
</tr>
</tbody>
</table>

## Party Responsible for the Preparation of This Document

Dyno Nobel Inc.
2795 East Cottonwood Parkway, Suite 500
Salt Lake City, Utah 84121
Phone: 801-364-4800

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