### 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](http://www.dynonobel.com)

**Product Identifier**

**Product Name:** DYNOSPLIT® RIGHT; DYNOSPLIT® EX

**Other Means of Identification**

**Intended Use of the Product**

For professional use only.

**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)**

| Expl. 1.1 | H201 |
| Ox. Sol. 3 | H272 |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2A | H319 |
| Carc. 1B | H350 |
| Asp. Tox. 1 | H304 |

**Label Elements**

**GHS-US Labeling**

**Hazard Pictograms (GHS-US)**

![GHS01](image) ![GHS03](image) ![GHS07](image) ![GHS08](image)

**Signal Word (GHS-US)**

Danger

**Hazard Statements (GHS-US)**

- H201 - Explosive; mass explosion hazard.
- H272 - May intensify fire; oxidizer.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H319 - Causes serious eye irritation.
- H350 - May cause cancer.

**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 open flames, sparks, heat, hot surfaces. - No smoking.
- P220 - Keep/Store away from combustible material, oxidizable materials, and incompatible materials.
- P221 - Take any precaution to avoid mixing with combustible material, oxidizable materials, and incompatible materials.
- P230 - Keep wetted with not less than 30% water.
- P240 - Ground/bond container and receiving equipment.
- P250 - Do not subject to grinding, friction, shock.
- P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
- P280 - Wear eye protection, protective clothing, protective gloves.
P301+P310 - If swallowed: Immediately call a poison center or doctor.
P302+P352 - If on skin: Wash with plenty of 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.
P321 - Specific treatment (see Section 4 on this SDS).
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.
P370+P380 - In case of fire: Evacuate area.
P372 - Explosion risk in case of fire.
P373 - DO NOT fight fire when fire reaches explosives.
P401 - Store in accordance with in accordance with, local, regional, national, territorial, provincial, and international regulations.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Other Hazards
Hazards Not Otherwise Classified (HNOC): Not available
Other Hazards: Toxic hepatitis, aplastic anemia, methemoglobinemia, hemolytic anemia, and cataracts have been reported after occupational exposure. Methemoglobinemia decreases the blood’s ability to carry oxygen and results in symptoms such as dizziness, drowsiness, headache, shortness of breath, blue skin and lips, rapid heart rate, unconsciousness, and possibly death.

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 (CAS No) 6484-52-2</td>
<td>62 - 72</td>
<td>Ox. Sol. 3, H272</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irr. 2A, H319</td>
</tr>
<tr>
<td>Sodium nitrate (CAS No) 7631-99-4</td>
<td>10 - 18</td>
<td>Comb. Dust, H232</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Ox. Sol. 3, H272 Eye Irr. 2A, H319</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light naphthenic (CAS No) 64742-53-6</td>
<td>1 - 10</td>
<td>Skin Irrit. 2, H315</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irr. 2A, H319 Carc. 1B, H350 Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Pentaerythrite tetranitrate (CAS No) 78-11-5</td>
<td>0.5 - 3</td>
<td>Unst. Expl, H200</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4 - FIRST AID MEASURES

Description of First Aid Measures
General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Keep at rest and in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.
**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

**Ingestion:** Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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

**General:** Eye irritation. Causes skin irritation. May cause cancer. Aspiration hazard.

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Eye Contact:** Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Ingestion:** Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury. Aspiration into the lungs can cause severe pulmonary edema/hemorrhage.

**Chronic Symptoms:** May cause cancer. May cause the blood disorder Methemoglobinemia, and with over exposure in predisposed individuals may cause: renal problems, cardiac abnormalities, other blood disorders. Methemoglobinemia decreases the blood's ability to carry oxygen and results in symptoms such as dizziness, drowsiness, headache, shortness of breath, blue skin and lips, rapid heart rate, unconsciousness, and possibly death.

**Indication of Any Immediate Medical Attention and Special Treatment Needed**
If you feel unwell, seek medical advice (show the label where possible).

---

**SECTION 5 - FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** DO NOT fight fires involving explosives. Evacuate the area for 1 mile or more if any amount of explosives are involved in a fire. Evacuation is also required if the initial fire, not involving explosives, becomes intense. General extinguishers may be used on the initial fire, not involving explosives, such as electrical equipment fires, tire fires or a general plant fire. Water can be used to cool explosives not involved in the initial fire. For large fires use remotely controlled equipment if available.

**Unsuitable Extinguishing Media:** DO NOT FIGHT FIRES INVOLVING EXPLOSIVES. Attempts to smother a fire involving this product will be ineffective as it is its own oxygen source. Smothering this product could lead to decomposition and explosion. This product is more sensitive to detonation if contaminated with organic or oxidizable material or if heated while confined. Unless the mass of product on fire is flooded with water, re-ignition is possible.

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

**Fire Hazard:** In case of fire involving explosives: Evacuate area. DO NOT fight fires involving explosives. Consult the most current Emergency Response Guidebook (ERG), Guide 112 for additional information. Extreme risk of explosion from shock, friction, fire or other sources of ignition.

**Explosion Hazard:** Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**Reactivity:** Accelerates the rate of burning materials. Oxidizer.

**Advice for Firefighters**

**Precautionary Measures Fire:** Evacuate area to a minimum distance of 1 mile or more. Consult the most current Emergency Response Guidebook (ERG), Guide 112 for additional information.

**Firefighting Instructions:** DO NOT fight fires involving explosives. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.

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


**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:** Remove ignition sources. No naked lights. No smoking. Use special care to avoid static electric charges. Evacuate danger area. Do NOT breathe (dust, vapor, mist, gas).

**For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protection equipment (PPE).
Emergency Procedures: Evacuate danger area.
For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.

Environmental Precautions
Prevent entry to sewers and public waters. Hazardous waste due to potential risk of explosion.

Methods and Material for Containment and Cleaning Up
For Containment: Ground equipment electrically. Use only non-sparking tools.
Methods for Cleaning Up: Refer to supplier/manufacturer. Clean up spills immediately and dispose of waste safely. Dispose in a safe manner in accordance with local/national regulations.

Reference to Other Sections
See heading 8, Exposure Controls and Personal Protection

SECTION 7 - HANDLING AND STORAGE
Precautions for Safe Handling
Additional Hazards When Processed: Avoid dust production. This product is an explosive and should only be used under the supervision of trained and licensed personnel. 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.

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. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Proper grounding procedures to avoid static electricity should be followed. Protect container from physical shock.

Storage Conditions: Store tightly closed in a dry, cool and well-ventilated place. Store at room temperature, below 100 °F (38 °C). Always avoid open flames and excessive heat exposure. Protect from freezing. In case of electrical storm and possible lightning, locations where lightning could strike and initiate explosions, such as storage areas, must be evacuated to a safe distance. Store in accordance with local, regional, national or international regulation.


Storage Temperature: < 30 °C (< 86 °F)

Special Rules on Packaging: Keep only in the original container.

Specific End Use(s): Not available

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION
Control Parameters
For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

Exposure Controls
Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure, but are not required. Product to be handled under strictly controlled conditions. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Safety glasses.

Materials for Protective Clothing: Not available
Hand Protection: Wear chemically resistant protective gloves.
Eye Protection: Safety glasses. In case of excessive dust production, safety goggles are recommended.
Skin and Body Protection: In case of excessive dust production. Wear suitable protective clothing.
Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Light pink waxy/greasy material packaged in a continuous string of plastic film cartridges</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</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>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.10 - 1.15</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.10 - 1.15</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water: Product mostly dissolves very slowly over time.</td>
</tr>
<tr>
<td>Partition Coefficient: N-Octanol/Water</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Explosive; mass explosion hazard</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Sensitive to mechanical impact</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Static discharge could act as an ignition source.</td>
</tr>
</tbody>
</table>

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Accelerates the rate of burning materials. Oxidizer.
Chemical Stability: Can explode from impact, heat or friction. PETN explodes at 190 - 210 °C (374 - 410 °F). Stable up to approximately 70 °C (158 °F).
Possibility of Hazardous Reactions: Extreme risk of explosion by shock, friction, fire, impact, heat or other sources of ignition.
Conditions to Avoid: May explode from heat, shock, friction or contamination. Keep away from open flames, hot surfaces and sources of ignition.
SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product
Acute Toxicity: Not classified
LD50 and LC50 Data: Not available

Skin Corrosion/Irritation: Causes skin irritation.
Serious Eye Damage/Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not available
Carcinogenicity: May cause cancer.
Specific Target Organ Toxicity (Repeated Exposure): Not classified
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: Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact: Redness, pain, swelling, itching, burning, tearing, and blurred vision.
Symptoms/Injuries After Ingestion: Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury. Aspiration into the lungs can cause severe pulmonary edema/hemorrhage.
Chronic Symptoms: May cause cancer. May cause the blood disorder Methemoglobinemia, and with over exposure in predisposed individuals may cause: renal problems, cardiac abnormalities, other blood disorders. Methemoglobinemia decreases the blood's ability to carry oxygen and results in symptoms such as dizziness, drowsiness, headache, shortness of breath, blue skin and lips, rapid heart rate, unconsciousness, and possibly death.

Information on Toxicological Effects - Ingredient(s)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LD50 Oral Rat</th>
<th>LC50 Inhalation Rat</th>
<th>ATE US (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>2,217.00 mg/kg body weight</td>
</tr>
<tr>
<td>Sodium nitrate (7631-99-4)</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

Toxicity
Ecology - General: Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LC50 Fish 1</th>
<th>LC 50 Fish 2</th>
<th>EC50 Daphnia 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium nitrate (7631-99-4)</td>
<td>2000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</td>
<td>994.4 - 1107 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])</td>
<td>&gt; 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)</td>
<td>&gt; 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability
Sodium nitrate (7631-99-4)
Persistence and Degradability: Readily biodegradable in water.
Bioaccumulative Potential

**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:** Consult supplier for specific recommendations.

**Waste Disposal Recommendations:** Refer to manufacturer/supplier for information on recovery/recycling. Destroy and dispose of in accordance with applicable local, state, provincial, territorial, federal and international regulations. Comply with regulations as defined in the Explosives Act of Canada and the provisions of the Bureau of Alcohol, Tobacco and Firearms regulations contained in 27 CFR part 555.

**Additional Information:** Hazardous waste due to potential risk of explosion.

---

### SECTION 14 - TRANSPORT INFORMATION

**In Accordance with DOT**
- **Proper Shipping Name:** EXPLOSIVE, BLASTING, TYPE E
- **Hazard Class:** 1.1D
- **Identification Number:** UN0241
- **Label Codes:** 1.1D
- **Packing Group:** II
- **ERG Number:** 112

**In Accordance with IMDG**
- **Proper Shipping Name:** EXPLOSIVE, BLASTING, TYPE E
- **Hazard Class:** 1
- **Identification Number:** UN0241
- **EmS-No. (Fire):** F-B
- **EmS-No. (Spillage):** S-X
- **MFAG Number:** 112

**In Accordance with IATA**
- **Proper Shipping Name:** EXPLOSIVE, BLASTING, TYPE E
- **Hazard Class:** 1
- **Label Codes:** 1.1D
- **ERG Code (IATA):** 1L

**In Accordance with TDG**
- **Proper Shipping Name:** EXPLOSIVE, BLASTING, TYPE E
- **Hazard Class:** 1.1D
- **Identification Number:** UN0241
- **Label Codes:** 1.1D

---

### SECTION 15 - REGULATORY INFORMATION

**US Federal Regulations**

- **DYNOSPLIT® RiGHT; DYNOSPLIT® EX**
- **SARA Section 311/312 Hazard Classes**
  - Immediate (acute) health hazard
  - Delayed (chronic) health hazard
<table>
<thead>
<tr>
<th>Substance</th>
<th>US State Regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pentaerythrite tetranitrate (78-11-5)</td>
<td>US - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td></td>
<td>U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)</td>
</tr>
<tr>
<td></td>
<td>U.S. - Delaware - Accidental Release Prevention Regulations - Sufficient Quantities</td>
</tr>
<tr>
<td></td>
<td>U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities</td>
</tr>
<tr>
<td></td>
<td>U.S. - Massachusetts - Oil &amp; Hazardous Material List - Groundwater Reportable</td>
</tr>
<tr>
<td></td>
<td>Concentration - Reporting Category 1</td>
</tr>
<tr>
<td></td>
<td>U.S. - Massachusetts - Oil &amp; Hazardous Material List - Groundwater Reportable</td>
</tr>
<tr>
<td></td>
<td>Concentration - Reporting Category 2</td>
</tr>
<tr>
<td></td>
<td>U.S. - Massachusetts - Oil &amp; Hazardous Material List - Soil Reportable</td>
</tr>
<tr>
<td></td>
<td>Concentration - Reporting Category 1</td>
</tr>
<tr>
<td></td>
<td>U.S. - Massachusetts - Oil &amp; Hazardous Material List - Soil Reportable</td>
</tr>
<tr>
<td></td>
<td>Concentration - Reporting Category 2</td>
</tr>
<tr>
<td></td>
<td>RTK - U.S. - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td></td>
<td>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td></td>
<td>U.S. - New Jersey - Special Health Hazards Substances List</td>
</tr>
<tr>
<td></td>
<td>RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</td>
</tr>
<tr>
<td></td>
<td>RTK - U.S. - Pennsylvania - RTK (Right to Know) List</td>
</tr>
<tr>
<td></td>
<td>U.S. - Texas - Effects Screening Levels - Long Term</td>
</tr>
<tr>
<td></td>
<td>U.S. - Texas - Effects Screening Levels - Short Term</td>
</tr>
<tr>
<td>Ammonium nitrate (6484-52-2)</td>
<td>RTK - U.S. - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td></td>
<td>RTK - U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td></td>
<td>U.S. - New Jersey - Special Health Hazards Substances List</td>
</tr>
<tr>
<td></td>
<td>RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</td>
</tr>
<tr>
<td></td>
<td>RTK - U.S. - Pennsylvania - RTK (Right to Know) List</td>
</tr>
<tr>
<td></td>
<td>U.S. - Texas - Effects Screening Levels - Long Term</td>
</tr>
<tr>
<td></td>
<td>U.S. - Texas - Effects Screening Levels - Short Term</td>
</tr>
<tr>
<td>Sodium nitrate (7631-99-4)</td>
<td>RTK - U.S. - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light</td>
<td>RTK - U.S. - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td>naphthenic (64742-53-6)</td>
<td>RTK - U.S. - Pennsylvania - RTK (Right to Know) List</td>
</tr>
<tr>
<td></td>
<td>U.S. - Texas - Effects Screening Levels - Long Term</td>
</tr>
<tr>
<td></td>
<td>U.S. - Texas - Effects Screening Levels - Short Term</td>
</tr>
<tr>
<td>Pentaerythrite tetranitrate (78-11-5)</td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td>U.S. - Massachusetts - Right To Know List</td>
<td></td>
</tr>
<tr>
<td>U.S. - Massachusetts - Right To Know List</td>
<td></td>
</tr>
<tr>
<td>Ammonium nitrate (6484-52-2)</td>
<td>U.S. - Massachusetts - Right To Know List</td>
</tr>
<tr>
<td>U.S. - New Jersey - Right to Know Hazardous</td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
</tr>
<tr>
<td>Substance List</td>
<td>U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List</td>
</tr>
</tbody>
</table>

Sudden release of pressure hazard
Fire hazard

<table>
<thead>
<tr>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium nitrate (6484-52-2)</td>
</tr>
<tr>
<td>Sodium nitrate (7631-99-4)</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated light</td>
</tr>
<tr>
<td>naphthenic (64742-53-6)</td>
</tr>
<tr>
<td>Pentaerythrite tetranitrate (78-11-5)</td>
</tr>
</tbody>
</table>

RTK - U.S. - Massachusetts - Right To Know List
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
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

Sodium nitrate (7631-99-4)

U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) List

Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)

U.S. - Massachusetts - Right To Know List

Canadian Regulations

DYNOSPLIT® RIGHT; DYNOSPLIT® EX

WHMIS Classification

Note: Explosives are not regulated under WHMIS. They are subject to the regulations of the Explosives Act of Canada.
Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects
Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Class F - Dangerously Reactive Material
Class C - Oxidizing Material

Pentaerythrite tetranitrate (78-11-5)
Listed on the Canadian DSL (Domestic Substances List)

Ammonium nitrate (6484-52-2)
Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class C - Oxidizing Material
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Sodium nitrate (7631-99-4)
Listed on the Canadian DSL (Domestic Substances List)
Listed on the Canadian IDL (Ingredient Disclosure List)

IDL Concentration 1 %

WHMIS Classification

Class C - Oxidizing Material
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Distillates, petroleum, hydrotreated light naphthenic (64742-53-6)
Listed on the Canadian DSL (Domestic Substances List)

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

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: 11/01/2018

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:

Asp. Tox. 1  Aspiration hazard Category 1
Carc. 1B  Carcinogenicity Category 1B
Comb. Dust  Combustible Dust
Expl. 1.1  Explosive Category 1.1
Eye Irrit. 2A  Serious eye damage/eye irritation Category 2A
Ox. Sol. 3  Oxidizing solids Category 3
Skin Irrit. 2  Skin corrosion/irritation Category 2
Unst. Expl  Unstable explosives
H200  Unstable explosives
H201  Explosive; mass explosion hazard
H232  May form combustible dust concentrations in air
## Disclaimer

Dyno Nobel Inc. and its subsidiaries disclaim any warranties with respect to this product, the safety or suitability thereof, the information contained herein, or the results to be obtained, whether express or implied, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND/OR OTHER WARRANTY. The information contained herein is provided for reference purposes only and is intended only for persons having relevant technical skills. Because conditions and manner of use are outside of our control, the user is responsible for determining the conditions of safe use of the product. Buyers and users assume all risk, responsibility and liability whatsoever from any and all injuries (including death), losses, or damages to persons or property arising from the use of this product or information. Under no circumstances shall either Dyno Nobel Inc. or any of its subsidiaries be liable for special, consequential or incidental damages or for anticipated loss of profits.

---

### H272
May intensify fire; oxidizer

### H304
May be fatal if swallowed and enters airways

### H315
Causes skin irritation

### H319
Causes serious eye irritation

### H350
May cause cancer

---

### 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

Dyno Nobel SDS