SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Identifier
Product Form: Mixture
Product Name: Amex™, Amex™ UG, Amex™ WR
Product Code: 3001
Synonyms: ANFO, Ammonium Nitrate Fuel Oil, Water Resistant ANFO, Water Resistant Amex™, Underground AMEX, and Underground ANFO

Intended Use of the Product
Booster sensitive blasting agent and water resistant blasting agent. For professional use only.

Name, Address, and Telephone of the Responsible Party
Canada: Orica Canada Inc.
301 Rue Hotel-de-Ville
Brownsburg-Chatham, QC J8G 3B5
For SDS Requests: 1-855-26-ORICA
sds.na@orica.com
www.oricaminingservices.com

USA: Orica USA Inc.
33101 E. Quincy Avenue
Watkins, CO 80137-9406
For SDS Requests: 1-303-268-5000

Emergency Telephone Number
Emergency Number : Canada: 1-877-561-3636 (Orica Transportation Emergency Response)
USA: 1-800-424-9300 (CHEMTREC)

FOR CHEMICAL EMERGENCIES (24 HOUR) INVOLVING TRANSPORTATION, SPILL, LEAK, RELEASE, FIRE OR ACCIDENTS: IN CANADA CALL: THE ORICA TRANSPORTATION EMERGENCY RESPONSE SYSTEM AT 1-877-561-3636. IN THE U.S. CALL: CHEMTREC 1-800-424-9300. IN THE U.S.: FOR LOST, STOLEN, OR MISPLACED EXPLOSIVES CALL: BATF 1-800-800-3855. FORM ATF F 5400.5 MUST BE COMPLETED AND LOCAL AUTHORITIES (STATE/MUNICIPAL POLICE, ETC.) MUST BE ADVISED.

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture
Classification (GHS-US)
Expl. 1.5 H205
Ox. Sol. 3 H272
Eye Irrit. 2A H319
Carc. 2 H351
STOT RE 2 H373

Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US)

Signal Word (GHS-US) : Danger
Hazard Statements (GHS-US)
H205 - May mass explode in fire
H272 - May intensify fire; oxidizer
H319 - Causes serious eye irritation
H351 - Suspected of causing cancer
H373 - May cause damage to organs (thymus, liver, bone marrow) 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.
P221 - Take any precaution to avoid mixing with combustible materials.
P240 - Ground/bond container and receiving equipment.
P250 - Do not subject to friction, grinding, shock.
P260 - Do not breathe dust, fume, gas.
P264 - Wash hands, forearms, and exposed areas thoroughly after handling.
P280 - Wear eye protection, protective clothing, protective gloves.
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.
P314 - Get medical advice and attention if you feel unwell.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Do NOT attempt to fight fire. Evacuate area.
P373 - DO NOT fight fire when fire reaches explosives.
P401 - Store 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.
P405 - Store locked up.
P501 - Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.

Other Hazards:

Aquatic Chronic 3 H412
H412 - Harmful to aquatic life with long lasting effects.
P273 - Avoid release to the environment.
Ingestion may cause methemoglobinemia. Initial manifestation of methemoglobinemia is cyanosis, characterized by navy lips, tongue and mucous membranes, with skin color being slate grey. Further manifestation is characterized by headache, weakness, dyspnea, dizziness, stupor, respiratory distress and death due to anoxia.

Unknown Acute Toxicity (GHS US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ammonium nitrate</td>
<td>(CAS No) 6484-52-2</td>
<td>80 - 95</td>
<td>Ox. Sol. 3, H272</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td></td>
<td>Fuels, diesel</td>
<td>(CAS No) 68334-30-5</td>
<td>5 - 10</td>
<td>Flam. Liq. 3, H226</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Acute Tox. 4 (Inhalation), H332</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Carc. 2, H351</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>STOT RE 2, H373</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Asp. Tox. 1, H304</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, IMMEDIATELY seek medical advice (show the label where possible).

Inhalation: Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse. Obtain medical advice immediately 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.
**Amex™, Amex™ UG, Amex™ WR**

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---

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion:** Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. If spontaneous vomiting occurs, have victim lean forward with head positioned to avoid breathing in of vomit, rinse mouth and have victim drink plenty of water. Never give anything by mouth to an unconscious person.

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

**General:** Causes eye irritation and respiratory tract irritation. Suspected of causing cancer.

**Inhalation:** Causes irritation to the respiratory tract. May be harmful if inhaled in high concentrations.

**Skin Contact:** May be irritating to the skin.

**Eye Contact:** Causes serious eye irritation.

**Ingestion:** May be harmful if swallowed. May cause cyanosis.

**Chronic Symptoms:** Causes damage to organs (thymus, liver, bone marrow) through prolonged or repeated exposure.

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

If exposed or concerned, get IMMEDIATE medical advice and attention.

---

**SECTION 5: FIREFIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** DO NOT FIGHT FIRES INVOLVING EXPLOSIVES. Water may be applied through fixed extinguishing system (sprinklers) as long as people need not be present for the system to operate.

**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 oxidisable 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:** Not itself combustible but assists fire in burning materials (oxidizing). The product does not flash. Rate of burning: will accelerate burning. After fire has started, this product will continue to burn in the absence of air.

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

**Reactivity:** Oxidizer- accelerates the rate of burning materials and will continue to burn in the absence of air.

**Advice for Firefighters**

**Precautionary Measures Fire:** This product is a high explosive with mass Detonation hazard. DO NOT FIGHT FIRES INVOLVING EXPLOSIVE MATERIALS. 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.

**Firefighting Instructions:** DO NOT FIGHT FIRES INVOLVING EXPLOSIVE MATERIALS.

**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.

**Hazardous Combustion Products:** Carbon oxides (CO, CO₂). Nitrous oxides. Ammonium nitrate fumes.

**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:** Do not get in eyes, on skin, or on clothing. Do not breathe dust or fumes. 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:** When controlling fire before involvement of explosives, emergency response personnel should wear positive pressure self-containing breathing apparatus (SCBA) and full turnout gear.

**Emergency Procedures:** Stop release is safe to do so. Eliminate ignition sources. Ventilate area.
Environmental Precautions
Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up
For Containment: Avoid dust formation; wet spillage with water. Collect product for recovery or disposal. For release to land, contain discharge by constructing dykes or applying inert absorbent; for release to water, utilize damming and/or water diversion to minimize the spread of contamination. Collect contaminated soil and water, and absorbent for proper disposal. Notify applicable government authority if release is reportable or could adversely affect the environment.

Methods for Cleaning Up: Use only non-sparking tools. Avoid the use of metal tools containing iron, copper or brass. Be careful to avoid shock, friction, and contact with grit. Ground equipment electrically. Clear up spills immediately and dispose of waste safely.

Reference to Other Sections
Refer to section 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE
Precautions for Safe Handling
Hygiene Measures: 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.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Store under moderate temperatures recommended by a technical services representative. Store under dry conditions in a well ventilated magazine that has been approved for either detonator storage or explosive storage. Do NOT store explosives in a detonator magazine or detonators in an explosive magazine. Keep away from heat, spark and flames. Keep containers closed. Explosives should be kept well away from initiating explosives; protected from physical damage; separated from oxidizing materials; combustibles, and sources of heat. Ideal storage temperature is 10-27°C (50-80°F).

Incompatible Materials: Combustibles, heat sources, copper, zinc, alloys of copper or zinc, aluminum powder, mild steel.

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

Specific End Use(s)
Booster sensitive blasting agent and water resistant blasting agent. For professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

<table>
<thead>
<tr>
<th>Ammonium nitrate (6484-52-2)</th>
<th>ORICA Guideline</th>
<th>Internal TWA (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Internal TWA (mg/m³)</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fuels, diesel (68334-30-5)</th>
<th>ACGIH TWA (mg/m³)</th>
<th>100 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL STEL (mg/m³)</td>
<td>150 mg/m³</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³</td>
</tr>
</tbody>
</table>

Exposure Controls
Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in immediate vicinity of any potential exposure. Product to be handled under strictly controlled conditions. Observe applicable regulations in the Explosives Act of Canada and the provisions of the Bureau of Alcohol, Tobacco and Firearms regulations contained in 27 CFR Part 555.
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**Personal Protective Equipment:** Gloves. Protective clothing. Respiratory protection. Safety Glasses or goggles.

**Materials for Protective Clothing:** Chemically resistant material.

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

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing. Wear long sleeves.

**Respiratory Protection:** Where Occupational Exposure Limits are expected to be exceeded, wear approved respiratory protection.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information On Basic Physical And Chemical Properties

**Physical State**

- Solid

**Appearance**

- Green, Blue, Gray, Orange, or Off-White Prills/Granuals

**Odor**

- Smells like diesel fuel

**Odor Threshold**

- Not available

**pH**

- Not available

**Relative Evaporation Rate (butyl acetate=1)**

- Not available

**Melting Point**

- 170°C (338°F)

**Freezing Point**

- Not available

**Boiling Point**

- Not available

**Flash Point**

- 52 °C (126 °F)

**Auto-ignition Temperature**

- 210-265°C (410-509°F)

**Decomposition Temperature**

- Spontaneously decomposes at temperatures above 210°C (410°F)

**Flammability (solid, gas)**

- Not available

**Lower Flammable Limit**

- Not available

**Upper Flammable Limit**

- Not available

**Vapor Pressure**

- 0.01 – 0.4 mmHg @ 20°C

**Relative Vapor Density at 20 °C**

- Not available

**Density**

- 0.76 - 0.99 g/cc

**Specific Gravity**

- Not available

**Solubility**

- Dissolves slowly with prolonged exposure to water

**Log Pow**

- Not available

**Log Kow**

- Not available

**Viscosity, Kinematic**

- Not available

**Viscosity, Dynamic**

- Not available

**Explosion Data - Sensitivity to Mechanical Impact**

- 1.5D - Explosive substances and articles

**Explosion Data - Sensitivity to Static Discharge**

- 1.5D - Explosive substances and articles

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity**

- Accelerates the rate of burning materials. Oxidizer.

**Chemical Stability**

- Stable at standard temperature and pressure. Decomposes at elevated temperatures (>210°C/410°F).

**Possibility of Hazardous Reactions**

- Hazardous polymerization will not occur.

**Conditions to Avoid**

- Extremely high or low temperatures. Open flame. Heat. Sparks.

**Incompatible Materials**

- Combustibles, heat sources, copper, zinc, alloys of copper or zinc, aluminum powder, mild steel.

**Hazardous Decomposition Products**


### SECTION 11: TOXICOLOGICAL INFORMATION

**Information On Toxicological Effects - Product**

**Acute toxicity**

- Not classified
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LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Causes serious eye irritation.
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not available
Carcinogenicity: Suspected of causing cancer.
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): May cause respiratory irritation.
Aspiration Hazard: Not classified
Symptoms/Injuries after Inhalation: Causes irritation to the respiratory tract. May be harmful if inhaled in high concentrations.
Symptoms/Injuries after Skin Contact: May be irritating to the skin.
Symptoms/Injuries after Eye Contact: Causes serious eye irritation.
Symptoms/Injuries after Ingestion: May be harmful if swallowed. May cause cyanosis.
Chronic Symptoms: Causes damage to organs (thymus, liver, bone marrow) 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 (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium nitrate (6484-52-2)</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 88.8 mg/l (Exposure time: 4 h)</td>
</tr>
<tr>
<td>Fuels, diesel (68334-30-5)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
<td>&gt; 2000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>LC50 Inhalation Rat (mg/l)</td>
<td>4.6 mg/l/4h</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>LC50 Fish 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium nitrate (6484-52-2)</td>
<td>65 - 85 mg/l (Exposure time: 48 h - Species: Cyprinus carpio [semi-static])</td>
</tr>
<tr>
<td>Fuels, diesel (68334-30-5)</td>
<td>35 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])</td>
</tr>
</tbody>
</table>

Persistance and Degradability: Not available

Bioaccumulative Potential

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>BCF fish 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium nitrate (6484-52-2)</td>
<td>(no bioaccumulation expected)</td>
</tr>
<tr>
<td>Log Pow</td>
<td>-3.1 (at 25 °C)</td>
</tr>
</tbody>
</table>

Mobility in Soil: Not available

Other Adverse Effects: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Burn under supervision of a licensed expert at an explosive burning ground or destroy by detonation in boreholes, 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.

**SECTION 14: TRANSPORT INFORMATION**

In Accordance with ICAO/IATA/DOT/TDG

**UN Number**

UN-No.(DOT): 0331

**UN Proper Shipping Name**

DOT Proper Shipping Name: Explosive, blasting, type B

Hazard Labels (DOT): 1.5D - Explosive substances and articles

**Packing Group (DOT)**

II - Medium Danger

**Additional Information**

Emergency Response Guide (ERG) Number: 112

**SECTION 15: REGULATORY INFORMATION**

**US Federal Regulations**

<table>
<thead>
<tr>
<th>Amex™, Amex™ UG, Amex™ WR</th>
<th>Reactive hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 311/312 Hazard Classes</td>
<td>Sudden release of pressure hazard</td>
</tr>
<tr>
<td></td>
<td>Delayed (chronic) health hazard</td>
</tr>
<tr>
<td></td>
<td>Immediate (acute) health hazard</td>
</tr>
</tbody>
</table>

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Fuels, diesel (68334-30-5)**

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**US State Regulations**

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

| U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728) |
| U.S. - Delaware - Accidental Release Prevention Regulations - Sufficient Quantities |
| U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1 |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2 |
| U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity |
| U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1 |
| U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2 |
| U.S. - Massachusetts - Right To Know List |
| U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - New Jersey - Special Health Hazards Substances List |
| U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| U.S. - Pennsylvania - RTK (Right to Know) List |
| U.S. - Texas - Effects Screening Levels - Long Term |
| U.S. - Texas - Effects Screening Levels - Short Term |

**Fuels, diesel (68334-30-5)**

| U.S. - Illinois - Toxic Air Contaminant Carcinogens |
| U.S. - Illinois - Toxic Air Contaminants |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1 |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2 |
| U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity |
| U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1 |
| U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2 |
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U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Canadian Regulations

Amex™, Amex™ UG, Amex™ WR

<table>
<thead>
<tr>
<th>WHMIS Classification</th>
<th>Class C - Oxidizing Material</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Class D Division 2 Subdivision B - Toxic material causing other toxic effects</td>
</tr>
<tr>
<td></td>
<td>Class D Division 2 Subdivision A - Very toxic material causing other toxic effects</td>
</tr>
</tbody>
</table>

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

Fuels, diesel (68334-30-5)
Listed on the Canadian DSL (Domestic Substances List) inventory.

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 MSDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION

Indication of Changes : 08/06/2013
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>Acute Tox. 4 (Inhalation)</th>
<th>Acute toxicity (inhalation) Category 4</th>
</tr>
</thead>
<tbody>
<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>Expl. 1.5</td>
<td>Explosive Category 1.5</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. 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>H226</td>
<td>Flammable liquid and vapor</td>
</tr>
<tr>
<td>H272</td>
<td>May intensify fire; oxidizer</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</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>
</tbody>
</table>

Party Responsible for the Preparation of this Document:
Amex™, Amex™ UG, Amex™ WR
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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