SECTION 1 – IDENTIFICATION

Name, Address, and Telephone of the Responsible Party
BINNS & STEVENS EXPLOSIVES, INC
1503 17TH AVENUE EAST
Oskaloosa, Iowa 52577
Phone: 641-672-2566   Fax 641-673-3512
www.binnsandstevens.com

SDS #:   1 0 0 1
Date:   12/21/2015
Supersedes:  01/23/10

Product Identifier
Product Form: Mixture
Product Name: ANFO

Other Means of Identification
Product Class: ANFO, Bulk or Packaged
Trade Names:
ANFO
ANFO WR
ANFO HD

Intended Use of the Product
Industrial applications

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. 1.5   H205
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.
H319 - Causes serious 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 combustible materials.
P221 - Take any precaution to avoid mixing with combustible materials.
P240 - Ground/bond container and receiving equipment. Consult manufacturer for detailed guidance on appropriate grounding/bonding.
P260 - Do not breathe dust, mist, vapors.
P264 - Wash hands, forearms and exposed areas thoroughly after handling.
P273 - Avoid release to the environment.
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/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.
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 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 in accordance with local, regional, national, territorial, provincial, and international regulations.

Other Hazards
Hazards Not Otherwise Classified (HNOC): 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>Name</th>
<th>Product Identifier</th>
<th>% (w/w)</th>
<th>Ingredient Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ammonium nitrate</td>
<td>(CAS No) 6484-52-2</td>
<td>89 - 95</td>
<td>Ox. Sol. 3, H272&lt;br/&gt;Eye Irrit. 2A, H319</td>
</tr>
<tr>
<td></td>
<td>Fuels, diesel, no. 2</td>
<td>(CAS No) 68476-34-6</td>
<td>4 - 7</td>
<td>Flam. Liq. 3, H226&lt;br/&gt;Acute Tox. 4 (Inhalation:dust,mist), H332&lt;br/&gt;Skin Irrit. 2, H315&lt;br/&gt;Carc. 2, H351&lt;br/&gt;STOT RE 2, H373&lt;br/&gt;Asp. Tox. 1, H304&lt;br/&gt;Aquatic Acute 3, H402&lt;br/&gt;Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td></td>
<td>Guar gum</td>
<td>(CAS No) 9000-30-0</td>
<td>&lt; 0.1, 0.1 - 1, 1 - 5, 5 - 6</td>
<td>Comb. Dust</td>
</tr>
</tbody>
</table>

More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary, due to varying composition.
Ingredients, other than those mentioned above, as used in this product are not hazardous as defined under current Department of Labor regulations, or are present in deminimus concentrations (less than 0.1% for carcinogens, less than 1.0% for other hazardous materials).
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 where possible).
Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
Skin Contact: Remove contaminated clothing and wash before reuse. Gently wash with plenty of soap and water.
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 if irritation develops or persists.
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: May cause serious eye irritation. Contains material suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.
Inhalation: May cause respiratory irritation.
Skin Contact: May cause skin irritation.
Eye Contact: May cause serious eye irritation.
Ingestion: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms: Contains material suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Indication of Any Immediate Medical Attention and Special Treatment Needed
If exposed or concerned, get medical advice and attention. If ingested, causes methemoglobinemia—emergency response should treat appropriately, such as by intravenous administration of methylene blue.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media: DO NOT FIGHT FIRES INVOLVING EXPLOSIVES.
Unsuitable Extinguishing Media: Do not attempt to fight fires involving explosive materials. Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions.

Special Hazards Arising From the Substance or Mixture
Fire Hazard: Can explode or detonate under fire conditions. Burning material may produce toxic vapors.
Explosion Hazard: Explosion risk in case of fire. This product is an explosive with mass detonation hazard. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactivity: Stable under normal conditions. May explode when subjected to fire, supersonic shock or high-energy projectile impact, especially when confined or in large quantities.

Advice for Firefighters

Firefighting Instructions: DO NOT ATTEMPT TO FIGHT FIRES INVOLVING EXPLOSIVE MATERIALS. Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions. Can explode or detonate under fire conditions. Burning material may produce toxic vapors.

Hazardous Combustion Products: Carbon Monoxide (CO) and Nitrogen Oxides (NOx)

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 (vapor, mist, dust).

For Non-Emergency Personnel

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

For Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).
Safety Data Sheet

Environmental Precautions
Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up
For Containment: Contain any spills with dikes to prevent migration and entry into sewers or streams. Do not use combustible absorbents and do not mix with other materials.
Methods for Cleaning Up: Collect spillage for possible reuse. Clean up spills immediately and dispose of waste in accordance with appropriate Federal, State and local regulations.

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

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling
General: It is recommended that users of explosives material be familiar with the Institute of Makers of Explosives Safety Library publications.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and forearms thoroughly after handling. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Contact manufacturer for appropriate grounding/bonding guidance. Comply with applicable regulations.


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).

Fuels, diesel, no. 2 (68476-34-6)

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>USA ACGIH chemical category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ACGIH TWA (mg/m³)</td>
<td>Skin - potential significant contribution to overall exposure by the cutaneous route, Confirmed Animal Carcinogen with Unknown Relevance to Humans</td>
</tr>
<tr>
<td></td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³ (inhalable fraction and vapor)</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³ (inhalable fraction and vapor)</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³ (aerosol, inhalable, and vapour)</td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³ (inhalable fraction and vapor)</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³ (inhalable fraction and vapor)</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³ (inhalable fraction and vapor)</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³ (inhalable fraction and vapor)</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³ (inhalable fraction and vapor)</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL STEL (mg/m³)</td>
<td>150 mg/m³ (vapour)</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL TWA (mg/m³)</td>
<td>100 mg/m³ (vapour)</td>
</tr>
</tbody>
</table>

Exposure Controls
Appropriate Engineering Controls: Emergency eye wash fountains and safety showers are recommended if exposure is likely. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective eyewear. Protective clothing. If insufficient ventilation, wear
Materials for Protective Clothing: General work clothing to avoid skin contact.
Hand Protection: Wear chemically resistant protective gloves if exposure is likely.
Eye Protection: Wear suitable eye protection.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations are expected to exceed exposure limits.
Environmental Exposure Controls: Do not allow the product to be released into the environment.
Consumer Exposure Controls: Do not eat, drink or smoke during use.

## SECTION 9 - 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>Pale, oil-covered prills</td>
</tr>
<tr>
<td>Odor</td>
<td>Fuel oil</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available pH</td>
</tr>
<tr>
<td>Evaporation Rate (butyl acetate = 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>&gt; 120 °F (&gt; 49 °C)</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>&lt; 5 mm Hg @ 75 °F (23.9 °C)</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>&gt; 1 (air = 1)</td>
</tr>
<tr>
<td>Density</td>
<td>0.8 - 1.05 g/cc bulk density</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility</td>
<td>In Water: Ammonium Nitrate component completely soluble</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; fire, blast or projection hazard</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Not expected to present an explosion hazard due to mechanical impact.</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Not expected to present an explosion hazard due to static discharge.</td>
</tr>
</tbody>
</table>
SECTION 10 - STABILITY AND REACTIVITY
Reactivity: May cause or intensify fire; oxidizer. May accelerate the burning of other combustible materials. Contact with organic material or combustible material may cause an explosive situation.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7). 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.

SECTION 11 - TOXICOLOGICAL INFORMATION
Information on Toxicological Effects - Product
Acute Toxicity: Not classified
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 classified
Carcinogenicity: Contains an ingredient 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): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: May cause respiratory irritation.
Symptoms/Injuries After Skin Contact: May cause skin irritation.
Symptoms/Injuries After Eye Contact: May cause serious eye irritation.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects. Overexposure to this material may result in methemoglobinemia. Methemoglobinemia decreases the body'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.
Chronic Symptoms: Contains an ingredient suspected of causing 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>Fuels, diesel, no. 2 (68476-34-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
</tr>
<tr>
<td>ATE US (dust, mist)</td>
</tr>
<tr>
<td>Ammonium nitrate (6484-52-2)</td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
</tr>
<tr>
<td>LC50 Inhalation Rat</td>
</tr>
<tr>
<td>Guar gum (9000-30-0)</td>
</tr>
<tr>
<td>LD50 Oral Rat</td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION
Toxicity
Safety Data Sheet

Ecology - General: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.
Ecology - Water: Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Fuels, diesel, no. 2 (68476-34-6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 Fish 1</td>
</tr>
</tbody>
</table>

Persistence and Degradability  Not available
Bioaccumulative Potential  Not available
Ammonium nitrate (6484-52-2): (no bioaccumulation expected)
Log Pow  -3.1 (at 25 °C)
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: 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

In Accordance with DOT
Proper Shipping Name  : AMMONIUM NITRATE-FUEL OIL MIXTURE containing only prilled ammonium nitrate and fuel oil
Hazard Class  : 1.5D
Identification Number  : NA0331
Label Codes  : 1.5D

Packing Group  : II
ERG Number  : 112

In Accordance with IMDG
Proper Shipping Name  : EXPLOSIVE, BLASTING, TYPE B (AGENT, BLASTING, TYPE B)
Hazard Class  : 1
Identification Number  : UN0331
Label Codes  : 1.5D
EmS-No. (Fire)  : F-B
EmS-No. (Spillage)  : S-Y

In Accordance with IATA
Proper Shipping Name  : EXPLOSIVE, BLASTING, TYPE B
Identification Number  : UN0331
Hazard Class  : 1
Label Codes  : 1.5D

ERG Code (IATA)  : 1L

In Accordance with TDG
Proper Shipping Name  : EXPLOSIVE, BLASTING, TYPE B
Packing Group  : II
Hazard Class  : 1.5D
Identification Number  : UN0331
Label Codes  : 1.5D
# Safety Data Sheet

## SECTION 15 - REGULATORY INFORMATION

### US Federal Regulations

#### ANFO

| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard  
|                                      | Delayed (chronic) health hazard  
|                                      | Sudden release of pressure hazard  
|                                      | Fire hazard  
| **Fuels, diesel, no. 2 (68473-34-6)** | Listed on the United States TSCA (Toxic Substances Control Act) inventory  
| **Ammonium nitrate (6484-52-2)** | Listed on the United States TSCA (Toxic Substances Control Act) inventory  
| **Guar gum (9000-30-0)** | Listed on the United States TSCA (Toxic Substances Control Act) inventory  

#### US State Regulations

**Fuels, diesel, no. 2 (68473-34-6)**
- 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. - New Jersey - Discharge Prevention - List of Hazardous Substances  
- U.S. - New Jersey - Environmental Hazardous Substances List  
- RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  
- U.S. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups  
- U.S. - Texas - Effects Screening Levels - Long Term  
- U.S. - Texas - Effects Screening Levels - Short Term  

#### 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  
- RTK - U.S. - Massachusetts - Right To Know List  
- RTK - U.S. - New Jersey - Right to Know Hazardous Substance List  
- U.S. - New Jersey - Special Health Hazards Substances List  
- RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
- RTK - U.S. - Pennsylvania - RTK (Right to Know) List  
- U.S. - Texas - Effects Screening Levels - Long Term  
- U.S. - Texas - Effects Screening Levels - Short Term  

#### Guar gum (9000-30-0)
- U.S. - Texas - Effects Screening Levels - Long Term  
- U.S. - Texas - Effects Screening Levels - Short Term  

**Fuels, diesel, no. 2 (68473-34-6)**
- U.S. - New Jersey - Right to Know Hazardous Substance List  

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

Canadian Regulations
## ANFO

**WHMIS Classification**

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

---

## Fuels, diesel, no. 2 (68476-34-6)

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification**

- Class B Division 3 - Combustible Liquid
- 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
- Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effects

---

## 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

---

## Guar gum (9000-30-0)

Listed on the Canadian DSL (Domestic Substances List)

**WHMIS Classification**

Uncontrolled product according to WHMIS classification criteria

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**

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>Other Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>05/15/2015</td>
<td>This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.</td>
</tr>
</tbody>
</table>

**GHS Full Text Phrases:**

<table>
<thead>
<tr>
<th>Acute Tox. 4</th>
<th>Acute toxicity (inhalation:dust,mist) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Inhalation:dust,mist)</td>
<td></td>
</tr>
<tr>
<td>Aquatic Acute 3</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 3</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 3</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>Comb. Dust</td>
<td>May form combustible dust concentrations in air</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>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>
</tbody>
</table>
Safety Data Sheet

H373 | May cause damage to organs through prolonged or repeated exposure

Party Responsible for the Preparation of This Document
BINNS & STEVENS EXPLOSIVES, INC.
1503 17th AVENUE EAST
Oskaloosa, Iowa 52577
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