



**Material Safety Data Sheet**

MARCH 2006

**MSDS 06001**

# STEMMING GEL

## Section I - Material Identification and Use

<b>Product Name</b> <i>Stemming Gel</i>	<b>Product Family</b> <i>Inert Gel</i>	<b>Chemical Name</b> <i>Aqueous Gel</i>
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<b>Manufacturer's Name</b> <i>Nordex Explosives Ltd.</i>	<b>Manufacturer's Address</b> <i>(Dane, Ontario) P.O. Box 790 Kirkland Lake, Ontario, Canada P2N 3K4</i>
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<b>Emergency Telephone</b> <i>705-642-3265 705-668-0429 705-668-0439</i>	<b>Fax Number</b> <i>705-642-3266</i>
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**Trade Name and Synonyms**  
*Stemming Gel*

<b>Chemical Family</b> <i>Organic</i>	<b>Material Usage</b> <i>Mining / Quarrying</i>
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## Section II - Hazardous Ingredients of Material

<b>Hazardous Ingredients</b>	<b>Concentration</b>	<b>C.A.S or U.N. Numbers</b>	<b>TLV</b>
<i>Guar Gum</i>	<i>0 to 5%</i>	<i>CAS No. 9000-30-30</i>	<i>None Established</i>

## Section III - Physical Data for Material

<b>Physical, Odor &amp; Appearance</b> <i>Off-white translucent gel</i>	<b>Specific Gravity</b> <i>0.9 to 1.1</i>	<b>Solubility</b> <i>Insoluble in water</i>
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**Section IV - Fire and Explosion Hazard of the Material**

<b>Flammability</b> No	<b>Conditions</b> <i>Will decompose with extreme heat</i>	<b>Means of Extinction</b> <i>Flood with Water</i>
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**Special Procedure in Case of Fire**

*Evacuate Area Immediately. Call Emergency Services (911) and CANUTEC – 1-613-996-6666*

**Flammability Classification:** *Inflammable Will Not Burn*

**Explosion Data:** *Non-explosive - Insensitive to Static Discharge*

<b>Sensitivity to Impact</b> <i>Insensitive</i>	<b>Rate of Detonation</b>	<b>Explosive Power</b>	<b>Sensitivity to Static Discharge</b> <i>Insensitive</i>
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**Section V - Reactivity Data****Chemical Stability**

*Stable under normal conditions.*

**Incompatibly to Other Substances**

*Strong Oxidizing Agents*

**Reactivity**

*Unreactive*

**Hazardous Decomposition Products**

*CO, CO<sub>2</sub>,*

**Section VI - Toxicological Properties of the Material****Possible Routes of Entry**

*Skin Contact (no)      Skin Absorption (no)      Eye Contact (no)      Inhalation Acute (no)*

**Effect of Acute Exposure**

*Packaged product is unlikely to have any effect. Ingestion of large amounts may cause nausea.*

**Effects of Chronic Exposure**

*Nil if proper gloves worn and /or cleanliness is followed*

<b>L.D. 50</b>	<b>Reproductivity</b>	<b>Exposure Limit</b>	<b>Irritant</b>	<b>Sensitivity</b>	<b>Carcinogenicity</b>	<b>Synergistic</b>
<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>	<i>N/A</i>

**Section VII - Preventive Measures**

<b>Gloves (specify)</b> <i>Rubber</i>	<b>Respiratory (specify)</b> <i>No</i>	<b>Eye (specify)</b> <i>safety glasses</i>	<b>Footwear</b> <i>N/A</i>	<b>Clothing (specify)</b> <i>N/A</i>
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**Other (specify)**

*follow the Department of Labour Codes*

**Engineering Controls** *(i.e. Ventilation & Enclosure Process) - handle as an inert substance.*

*Spilled material will make surfaces slippery.*

**Leak and Spill Procedure**

*Collect all spilled material immediately and clean up with water (high pressure).*

**Waste Disposal**

*Dispose of under direct supervision of a qualified person according to local, provincial & federal regulations*

**Handling Procedures and Equipment**

*Handle in accordance with good industrial hygiene and safety practice. Do not eat or drink when using the product.*

**Storage Requirements**

*Store in cool, dry, well ventilated, designated storage area. May be stored in an explosives magazine. Do not store with food, beverages tobacco products etc.*

**Special Shipping Information**

*Not regulated as dangerous goods.*

**Section VIII - First Aid Measures**

**For Skin Contact**

*Wash with soap and water*

**For Eye Contact**

*Irrigate the eye for 15 minutes*

**For Ingestion**

*If victim is alert and not convulsing, give two glasses of water to dilute material and induce vomiting (obtain immediate medical attention)*

**Further Information**

*refer to Nordex Technical Bulletin "Inert Stemming Gel"*

**Section IX - Date of M.S.D.S. (not a Technical Bulletin)**

**Prepared By**

*Nordex Explosives Ltd .....March 2006*

*Call: 705-642-3265*

**EMERGENCY CONTACT: Joe Rozon, Plant Manager  
705-642-3265 or  
705-668-0429**