



# MATERIAL SAFETY DATA SHEET

## POWERNEL 1500

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **POWERNEL 1500**  
 CHEMICAL FAMILY NAME: Explosive Ammonium Nitrate Mixture  
 PRODUCT DESCRIPTION: Blasting Operations  
 U.N. NUMBER: UN 0332  
 U.N. DANGEROUS GOODS CLASS: Explosive, Blasting, Type E, PGII  
 SUPPLIER/MANUFACTURER'S NAME: **Nelson Brothers, LLC**  
 ADDRESS: 820 Shades Creek Parkway, Suite 2000, Birmingham, AL 35209 USA  
**EMERGENCY PHONE: TOLL-FREE in USA/Canada** 1-800-424-9300 Chemtrec  
 BUSINESS PHONE: 1-205-414-2900 (Product Information)  
 DATE OF PREPARATION: January 13, 2016  
 DATE OF LAST REVISION: August 22, 2013

### SECTION 2 - HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

**Product Description:** This product is a white, creamy pastes that are explosive with no to a slight odor.  
**Health Hazards:** May cause skin, eye or contaminated tissue irritation. Ingestion may result in adverse effects on the the blood system (methemoglobinemia and cyanosis). May cause allergic respiratory reaction in sensitive individuals.  
**Flammability Hazards:** This product is not flammable, but can act to initiate or sustain the combustion of combustible materials. Do not fight fire involving these products or other explosive materials.  
**Reactivity Hazards:** These products may explode when exposed to extreme heat or other explosives (Class 1.1).  
**Environmental Hazards:** Negligible  
**Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS



CANADA (WHMIS) SYMBOLS

Excluded From WHIMIS

EUROPEAN and (GHS) Hazard Symbols



Signal Word: **Danger!**

#### EU LABELING AND CLASSIFICATION:

Classification of the substance or mixture according to Regulation (EC) No1272/2008 Annex 1

EC# 229-347-8 This substance is not classified in the Annex I of Directive 67/548/EEC

EC# 231-791-2 This substance is not classified in the Annex I of Directive 67/548/EEC

EC# 265-156-6 Annex I Index# 649-466-00-2 (See note below)

CAS# 9044-27-4 is not listed in ESIS

**Note:** EC# 265-156-6 is Severely Hydrotreated Distillate with less than 3 % DMSO extract as measured by IP 346

#### GHS Hazard Classification(s):

Acute Oral Toxicity Category 4

Skin Irritant Category 2

STOT RE Category 3

#### Hazard Statement(s):

H302: Harmful if swallowed

H315: Causes skin irritation

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335: May cause respiratory irritation difficulties if inhaled

#### Precautionary Statement(s):

P260: Do not breath dust/fume/gas/mist/vapors/spray

P264: Wash hands thoroughly after handling

P270: Do not eat, drink or smoke when using this product

P271: Use only in well ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection



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### EU HAZARD CLASSIFICATION PER DIRECTIVE 1999/45/EC:

[O] Oxidizer, [Xn] Harmful

#### Risk Phrases:

R8: Contact with combustible material may cause fire  
R37/38: Irritating to respiratory system and skin  
R42: May cause sensitization by inhalation  
R40/22: Harmful: possible risk of irreversible effects if swallowed.  
R66: Repeated exposure can cause skin dryness or cracking.

#### Safety Phrases:

S1/2: Keep locked up and out of the reach of children  
S3/9/14/49: Keep only in original container in a cool, well ventilated place away from incompatible materials  
S20/21: When using do not eat, drink or smoke  
S23: Do not breath gas/fumes/vapor/spray  
S35: This material and its container must be disposed of in a safe way.  
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

### HEALTH HAZARDS OR RISKS FROM EXPOSURE:

**ACUTE:** These products may irritate or burn contaminated eyes, skin, mouth, throat, and other contaminated tissues. Ingestion, skin absorption, and injection of these products may cause nausea, vomiting, headache, flushing, weakness, cyanosis and faintness. Severe ingestion overexposure may be fatal.

**CHRONIC:** Prolonged or repeated skin overexposure may cause dermatitis (dry, red skin). Due to the presence of Ammonium Nitrate in these products, sensitization and allergic respiratory reaction may occur in susceptible individuals.

**TARGET ORGANS:** ACUTE: Eye, respiratory System, Skin CHRONIC: Skin

## SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Ammonium Nitrate, Solution	6484-52-2	229-347-8	0216	70 - 80%	HAZARD CLASSIFICATION: [O] Oxidizer RISK PHRASES: R8, R37/38, R42, R40/22, R66
Water	7732-18-5	231-791-2	Not Listed	10 – 20%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Distillates (petroleum), Hydrotreated heavy naphthenic	64742-53-6	265-156-6	Not Listed	1 – 10%	HAZARD CLASSIFICATION: [T] Toxic RISK PHRASES: R45
Polyisobutylene Highly Reacted	9044-27-4	Not Listed in ESIS	Not Listed	1 - 2%	HAZARD CLASSIFICATION: None RISK PHRASES: None
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

**NOTE:** ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

## SECTION 4 - FIRST-AID MEASURES

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek immediate medical attention.

**SKIN CONTACT:** Wash skin thoroughly after handling. Seek immediately medical attention if irritation occurs. Remove contaminated clothing. Launder contaminated clothing before re-use.

**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing skin, or respiratory system problems may be aggravated by exposure to this product.



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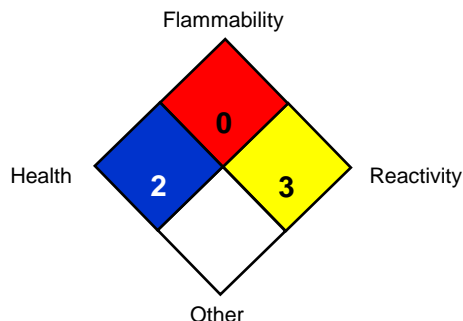
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RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and reduce over-exposure.

### SECTION 5 - FIRE-FIGHTING MEASURES

**FLASH POINT:** Not Applicable  
**AUTOIGNITION TEMPERATURE:** Not Applicable  
**FLAMMABLE LIMITS (in air by volume, %):** Lower (LEL): Not Applicable      Upper (UEL): Not Applicable  
**FIRE EXTINGUISHING MATERIALS:** Use extinguishing materials suitable for surrounding fire. Carbon dioxide, foam, dry chemical, halon, water spray, sand, limestone powder.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** When involved in a fire, these products may decompose and produce irritating fumes and toxic gases (e.g., carbon dioxide, carbon monoxide, and nitrogen oxides). These products are not flammable, but are oxidizing liquids, which can act to initiate and sustain the combustion of flammable materials, especially if the solution is allowed to evaporate to dryness on combustibles. Contact with these products and combustible materials may cause fire.  
Explosion Sensitivity to Mechanical Impact: Not Sensitive.  
Explosion Sensitivity to Static Discharge: Not Sensitive  
**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

#### NFPA RATING SYSTEM



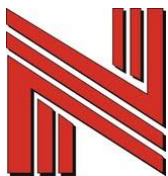
#### HMIS RATING SYSTEM

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)		2	
FLAMMABILITY HAZARD (RED)		0	
PHYSICAL HAZARD (YELLOW)		1	
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect 8		See Sect 8
For Routine Industrial Use and Handling Applications			

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** In case of a release, clear the affected area and protect people.  
**SPILLS:** DO NOT attempt spill clean up under conditions of potential contamination by a Class 1.1 Explosive; contact the appropriate local or state explosive material authorities. Otherwise, these products are very insensitive explosives and uncontrolled releases should be responded to by appropriately trained personnel in proper personal protective equipment, using pre-planned procedures.  
 In the event of a non-incident release, minimum Personal Protective Equipment should be **Level C: gloves, safety goggles, boots, and coveralls**. If the concentration of oil mist or ammonia are above the TLVs (oil mist = 5 mg/m<sup>3</sup>;



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ammonia = 17 mg/m<sup>3</sup>) or if the oxygen level is below 19.5 percent, **Level B: triple-gloves (rubber gloves and nitrile gloves over latex gloves), chemical resistant suit and boots, hard-hat, and Self-Contained Breathing Apparatus should be worn.** Pick up or sweep up spilled product with a vacuum, non-sparking shovels, or other non-sparking tools. Decontaminate the area thoroughly. Arrangements should be made for safe, controlled detonation or neutralization of the spilled material by an approved authority or company. If necessary, contact the manufacturer or your local waste regulatory authority for specific suggestions regarding these arrangements.

U.S. Regulations (CERCLA) requires reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

### **SECTION 7 - HANDLING and STORAGE**

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists/sprays generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

**STORAGE AND HANDLING PRACTICES:** Explosive materials pose such significant hazards that specific rules have been developed for their use. All employees who handle this material should be trained to handle it safely. Ensure that proper safety distances are maintained. Use non-sparking tools and avoid open flames. Open containers slowly on a stable surface. Containers of these products must be properly labeled. Empty containers may contain residual amounts of these products; therefore, empty containers should be handled with care.

Store containers in a location that is isolated, well-constructed, weather-resistant, fire-resistant, and theft-resistant. Storage of explosive materials must conform with 27 CFR 55.201–224. The storage location should conform to the isolation area set forth in the American Table of Distances (27 CFR 55.218).

Store away from incompatible materials (see Section 10, Stability and Reactivity). Material should be stored in secondary containers or in a diked area, as appropriate. Keep container tightly closed when not in use. If appropriate, post warning signs in storage and use areas. Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged. Licensed manufacturers must legibly identify by marking all explosive materials manufactured for sale or distribution (27 CFR 55.109). A licensee or permit must be posted on the business premises where explosive materials are manufactures, imported, or distributed (27 CFR 55.101).

The Institute of Makers of Explosives (IME) has published the “Suggested Code of Regulations for the Manufacture, Transportation, Storage, Sale, Possession, and Use of Explosive Materials”. The following are some important provisions from Article 6 of this Code for the use of explosives:

Under the regulations of the Bureau of Alcohol, Tobacco, and Firearms, personnel handling explosive materials will be at least 21 years of age and possess a permit or be at least 18 years of age and be supervised by a permit holder. While explosive materials are being handled or used, smoking will not be permitted and no one near the explosive material will possess matches, open light, or fire or flame-producing devices, except that the blaster may possess a device for the specific purpose of igniting the safety fuse.

Do not handle explosive materials under the influence of liquor, narcotics, or drugs.

Explosive materials must be used in a manner that is consistent with the recommendations and instructions of the manufacturer. Refer to “Instructions and Warnings” found in the shipping case of these products or contact the manufacturer.

**For additional information, refer to 27 CFR 55, “Commerce in Explosives” and IME publication, “Suggested Code of Regulations for the Manufacture, Transportation, Storage, Sale, Possession, and Use of Explosive Materials”.**

### **SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION**

#### **EXPOSURE LIMITS/GUIDELINES:**

<b>Chemical Name</b>	<b>CAS#</b>	<b>ACGIH TWA</b>	<b>OSHA TWA</b>	<b>WEEL</b>
Ammonium Nitrate, Solution	6484-52-2	Not Listed	Not Listed	Not Listed



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Distillates (petroleum), Hydrotreated heavy naphthenic	64742-53-6	5 mg/m <sup>3</sup> Oil Mists	5 mg/m <sup>3</sup> Oil Mists	5 mg/m <sup>3</sup> Oil Mists
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Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

**HAND PROTECTION:** Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**BODY PROTECTION:** Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

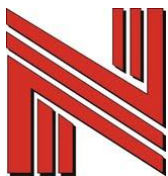
### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Liquid
<b>APPEARANCE &amp; ODOR:</b>	White creamy paste with no to slight odor.
<b>ODOR THRESHOLD (PPM):</b>	Not Available
<b>VAPOR PRESSURE (mmHg):</b>	Not Available
<b>DENSITY:</b>	Not Available
<b>EVAPORATION RATE (nBuAc = 1):</b>	Not Available
<b>BOILING POINT (C°):</b>	>210°C
<b>MELTING POINT (C°):</b>	169.6°C
<b>pH:</b>	Not Available
<b>SPECIFIC GRAVITY 20°C: (WATER =1)</b>	1.20 – 1.25
<b>SOLUBILITY IN WATER (%)</b>	Insoluble
<b>VISCOSITY:</b>	Not Available

### SECTION 10 - STABILITY and REACTIVITY

**STABILITY:** Stable under normal environmental conditions. The following information is from the Bureau of Mines Test Report or PowerNel 1500. It is representative for all products covered in this MSDS.

TEST	NUMBER OF TRIALS	CONDITIONS	RESULT
Thermal Stability	1	75°C (167°F)/48 hours	Stable
Blasting Cap Sensitivity	3	////////	No Detonation
Impact Sensitivity	10	10 inches	No Explosion
Differential Thermal Analysis	3	under 100°C (212°F)	No Exothermic Reaction
Electrostatic Sensitivity	3	////////	No Ignition
Package Drop	3	7.5" X 50 lb bag/4 foot drop	No Rupture or Loss of Contents
Package Burn Test	1	7.5" X 50 lb bag	No Explosion
Large Scale Vented Bomb Bonfire	2	////////	No Explosion



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**DECOMPOSITION PRODUCTS:** When heated to decomposition this product produces carbon dioxide, carbon monoxide and nitrogen oxides.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** Oil, charcoal, flammable and combustible materials, strong acids, chlorates, fluorocarbon lubricants, sodium nitrates, strong reducing agents, corrosive liquids, chlorates, sulfur, finely divided metals, coke, cork, sawdust, phosphorus, urea, potassium permanganate.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Exposure or contact to extreme temperatures, incompatible chemicals.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** Toxicity data is not available for this product:

CAS# 6484-52-2

LD50 (Oral-Rat) 2217 mg/kg

LD50 (Unreported-Mouse) 2085 mg/kg

LD50 (Oral-Rat) 2217 mg/kg

LD50 (Unreported-Mouse) 2085 mg/kg

**SUSPECTED CANCER AGENT:** None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore is not considered to be, nor suspected to be a cancer-causing agent by these agencies. This product contains a severely hydrotreated distillate with less than 3 % DMSO extract as measured by IP 346 and is not considered a carcinogen.

**IRRITANCY OF PRODUCT:** Contact with this product can be irritating to exposed skin, eyes and respiratory system.

**SENSITIZATION OF PRODUCT:** The Ammonium Nitrate component of these products may cause sensitization and allergic in susceptible individuals.

**REPRODUCTIVE TOXICITY INFORMATION:** No information concerning the effects of this product and its components on the human reproductive system.

### SECTION 12 - ECOLOGICAL INFORMATION

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**ENVIRONMENTAL STABILITY:** These products are expected to slowly degrade in ambient environmental conditions.

**EFFECT OF MATERIAL ON PLANTS or ANIMALS:** Releases of large amount of these products may adversely affect contaminated plant and animal life.

**EFFECT OF CHEMICAL ON AQUATIC LIFE:** Releases of large amounts of these products may adversely affect contaminated aquatic plant and animal life.

### SECTION 13 - DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

**RCRA WASTE CODE:** D001 (Ignitable-Oxidizer)

**EU WASTE CODE:** To be determined based on usage and contamination.

### SECTION 14 - TRANSPORTATION INFORMATION

**US DOT; IATA; IMO; ADR:**

**THIS PRODUCT IS CLASSIFIED AS DANGEROUS GOODS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.**

**PROPER SHIPPING NAME:** Explosive, Blasting, Type E

**HAZARD CLASS NUMBER and DESCRIPTION:** 1.5D (Explosives 1.5)

**UN IDENTIFICATION NUMBER:** UN 0332

**PACKING GROUP:** PGII

**DOT LABEL(S) REQUIRED:** Explosive 1.5

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2012):** 112



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**MARINE POLLUTANT:** This product does not contain ingredients that are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

**TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:**

This product is classified as Dangerous Goods, per regulations of Transport Canada.

**INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):**

This product is classified as Dangerous Goods, by rules of IATA:

**INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:**

This product is classified as Dangerous Goods by the International Maritime Organization.

**EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):**

This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.

### SECTION 15 - REGULATORY INFORMATION

**UNITED STATES REGULATIONS**

**SARA REPORTING REQUIREMENTS:** This product is subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:

**SARA 313:** Ammonium Nitrate (Nitrate Compounds) CAS# 6484-52-2 <80%

**TSCA:** All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

**SARA 311/312:**

Acute Health: Yes                      Chronic Health: Yes                      Fire: Yes                      Reactivity: No

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not Applicable

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** None of the ingredients are on the California Proposition 65 lists.

**CANADIAN REGULATIONS:**

**CANADIAN DSL/NDSL INVENTORY STATUS:** All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** Explosives (within the meaning of the Explosives Act) are excluded from WHMIS and are exempt from the HPA & CPR requirements (HPA 12).

**EUROPEAN ECONOMIC COMMUNITY INFORMATION:**

**EU LABELING AND CLASSIFICATION:**

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

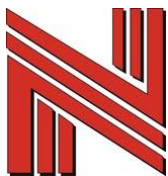
**AUSTRALIAN INFORMATION FOR PRODUCT:**

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

**JAPANESE INFORMATION FOR PRODUCT:**

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.



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### INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:	Listed
Australian Inventory of Chemical Substances (AICS):	Listed
Korean Existing Chemicals List (ECL):	Listed
Japanese Existing National Inventory of Chemical Substances (ENCS):	Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS):	Listed
Swiss Giftlist List of Toxic Substances:	Listed
U.S. TSCA:	Listed

### SECTION 16 - OTHER INFORMATION

PREPARED BY: Paul Eigbrett

MSDS Authoring PLUS

Disclaimer: The information and recommendations in this document are accurate to the best of our knowledge. User must conduct their own tests to determine the suitability of these products for their particular purposes. Because of numerous factors affecting results, Nelson Brothers, LLC MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, other than the material conforms to our applicable current specifications. Nelson Brothers, LLC assumes no legal responsibility for use or reliance on the information contained in this Material Safety Data Sheet.

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