

# MAXLINE LEAD IN LINE 1000M



## SAFETY DATA SHEET – INITIATION SYSTEMS

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product Name:</b>	MAXLINE LEAD IN LINE 1000M
<b>Other Identification:</b>	MAXLINE, Non-electric signal tube
<b>Recommended Use:</b>	Initiation of explosive blasts.
<b>Supplier Name:</b>	NITRO SIBIR AUSTRALIA
<b>Address:</b>	Unit 218, 396 Scarborough Beach Road Osborne Park, WESTERN AUSTRALIA 6017
<b>Telephone:</b>	+61 417772219
<b>Emergency:</b>	1800 884 289
<b>SDS Date:</b>	March, 2017
<b>TDS:</b>	Nitro Sibir TDS Ref: IS08 MAXLINE LEAD IN LINE 1000M

### 2. HAZARD(S) IDENTIFICATION

Classified as hazardous according to Safe Work Australia: HAZARDOUS CHEMICAL.

Classified as Dangerous Goods according to the criteria of the Australian Code for the Transport of Explosives by Road and Rail: DANGEROUS GOODS.

**Classification of the Substance or Mixture:**

Explosives - Division 1.4

**Signal Word:** Warning



*Exploding Bomb*

**Hazard Statement(s):**

H204: Fire or projection hazard.

**Precautionary Statement(s):**

**Prevention:**

P210: Keep away from heat/ sparks/ open flames/ hot surfaces - No Smoking.

P240: Ground/bond container and receiving equipment.

P250: Do not subject to grinding/ shock/ heat/ friction/ impact or electrical energy from external sources.

P280: Wear protective gloves, protective clothing, eye and face protection.

**Response:**

P370+380: In case of fire: evacuate area.

P372: Explosion risk in case of fire.

P373: DO NOT fight fire when fire reaches explosives.

P374: Fight fire with normal precautions from a reasonable distance.

**Storage:**

P401: Store in a well-ventilated magazine in accordance with Australian Standard AS2187.1.

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### Disposal:

P501: Dispose of contents in accordance with national/regional/local regulations.

**POISONS SCHEDULE (SUSMP):** None allocated.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredient	CAS	Proportion
RDX - Cyclonite (Hexahydro-1,3,5-trinitro-1,3,5-triazine)	121-82-4	<1%
Aluminium Powder (stabilised)	7429-90-5	<1%
Materials determined not to be hazardous	-	to 100%

### 4. FIRST AID MEASURES

Contact a Poisons Information Centre (131126 in Australia) or a doctor. Construction of the product normally prevents contact with explosive component, however, in the event of exposure:

**Inhalation:** In case of inhalation of blast fumes: Move the victim to fresh air while avoiding becoming a casualty. Loosen restrictive clothing and keep at rest until fully recovered.

**Eye:** In case of eye contact, remove any contact lenses and flush immediately with plenty of water. As with all eye contamination, it is a sensible precaution to seek medical advice.

**Skin:** If contact with skin or hair occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If irritation develops, seek medical attention.

**Ingestion:** Immediately rinse mouth with water. If swallowed, give water to drink. If vomiting occurs give further water. Seek immediate medical assistance.

**Advice to Doctor:** Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Coarse water spray (large quantities).

**Hazards from the substance:** Explosive material. Not a mass explosion risk. May burn vigorously with localised detonations and projection of fragments, with effects usually confined to the immediate vicinity. On burning, the plastic tubing will emit toxic fumes, including those of oxides of carbon and oxides of nitrogen.

**Precautions for Fire Fighters and Special Protective Equipment:** Explosive material. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion. Fires to be fought from a protected location. If detonators or other explosives are present, DO NOT FIGHT FIRES involving explosives.

**HAZCHEM CODE:** 1YE

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Protect from all ignition sources. Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contact. Only personnel trained in emergency response should respond. If no fire danger present, repackage undamaged devices in original packaging, accounting for all devices.

If the ends or tube wall have been opened such that powder may have been released from the tube, isolate the spill area. Contamination of the powder with sand, grit or dirt will render the material more sensitive to detonation. Carefully wet down and clean loose powder spills using a damp sponge or rag. Avoid applying friction or pressure to the explosive and place in an electrically conductive bag. Follow applicable federal and state reporting requirements.

**Emergency Procedures:** Shut off all possible ignition sources. Clear area of all unprotected personnel. In the case of a transport accident notify the Police or DFES, Explosives Inspector and Nitro Sibir Australia.

**Environmental Precautions:** Contain the source and prevent the spread of the spill to ensure it does not contaminate drains and waterways. If contamination of drains or waterways occurs, advise the local emergency services.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Handle with great care. Avoid damage to tubing. Do not fire material when on spool. Keep out of reach of children. Only properly qualified and authorised personnel should handle and used the shock tube.

**Conditions for Safe Storage Including any Incompatibilities:** Store in a cool, dry, well-ventilated magazine suitably licensed for Class 1.4S Explosives. Store away from oxidising agents. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10.

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Control Parameters:** No exposure value has been assigned to this material by the National Occupational Health and Safety Commission (NOHSC).

Workplace Exposure Standards for constituents:

Aluminium (metal dust): 8hr TWA = 10mg/m<sup>3</sup>

As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.

TWA - Time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day week.

Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

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<b>Appropriate Engineering Controls:</b>	Keep product in the original packaging to prevent exposure. Provide adequate ventilation. Natural ventilation should be adequate under normal conditions of use.
<b>Individual Protection Measures:</b>	Conduct a detailed risk assessment and select PPE considering the work being undertaken, the physical form of the chemical, handling methods and environmental factors.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Hollow, plastic tube
<b>Colour:</b>	Various
<b>Odour:</b>	Odourless
<b>pH:</b>	Not applicable
<b>Melting/Freezing Point:</b>	Not applicable
<b>Initial Boiling Point and Boiling Range:</b>	Not applicable
<b>Flash Point:</b>	No data available
<b>Flammability:</b>	Not applicable
<b>Relative Density:</b>	Not applicable
<b>Solubility:</b>	Insoluble in water
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition Temperature:</b>	Not applicable
<b>Oxidising Properties:</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Explosive.
<b>Chemical Stability:</b>	Stable at normal ambient temperature and pressure. Stable under recommended storage conditions. Not a mass explosion risk.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerisation will not occur. Reacts with oxidising agents.
<b>Conditions to Avoid:</b>	Avoid exposure to heat, sources of ignition and open flame. Avoid build up of static electricity. Avoid contact with oxidising agents. Avoid contact with combustible substances. Avoid damaging tube. Avoid open ends of tubing - ends of spools or rolls should be kept sealed with the end cap supplied.
<b>Incompatible Materials:</b>	Incompatible with oxidising agents and combustible materials. Incompatible with heat and hot surfaces.
<b>Hazardous Decomposition Products:</b>	Oxides of carbon. Oxides of nitrogen. Oxides of aluminium. Products of plastic decomposition.



### 11. TOXICOLOGICAL INFORMATION

The product itself has not been tested for toxicological effects. Construction of the article should prevent any chemical contamination. When handled in accordance with this Safety Data Sheet and the product label, no adverse health effects are expected. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Ingestion:</b>	No information available.
<b>Eye Contact:</b>	No irritation expected due to contaminant of material within plastic tubing.
<b>Skin Contact:</b>	Not expected to cause skin irritation.
<b>Inhalation:</b>	Not expected to cause respiratory irritation.
<b>Acute Toxicity:</b>	No LD50 data available.
<b>Carcinogenicity:</b>	None of the ingredients of this product are listed as a carcinogen by NTP, IARC or OSHA.
<b>Chronic Effects:</b>	No information available.

### 12. ECOLOGICAL INFORMATION

<b>Exotoxicity:</b>	No information available.
<b>Ecological Information:</b>	The product as supplied and undamaged presents no ecological concerns provided waste is correctly disposed of.
<b>Other Adverse Effects:</b>	No data is available.
<b>Environmental Protection:</b>	Avoid contaminating drains and waterways.

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal Methods:</b>	Dispose of this material in accordance with Federal, State and site regulations. All requirements of AS2187 must be adhered to.  Destruction of explosives must be carried out by suitably qualified personnel.  Small volumes of damaged or deteriorated explosives may be destroyed by inclusion in a blast hole containing good explosives.  For large quantities of damaged or deteriorated explosives, notify Nitro Sibir Australia.
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### 14. TRANSPORT INFORMATION

Classified as Class 1 (Explosives) Dangerous Goods by the criteria of the Australian Code for the Transport of Explosives by Road and Rail, UN0349, Class 1.4S. Proper Shipping Name: ARTICLES, EXPLOSIVE, N.O.S.



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Classified as Class 1 (Explosives) Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for Transport by Sea, UN0349, Class 1.4S. Proper Shipping Name: ARTICLES, EXPLOSIVE, N.O.S.

Classified as Class 1 (Explosives) Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; UN0349, Class 1.4S. Proper Shipping Name: ARTICLES, EXPLOSIVE, N.O.S.

### 15. REGULATORY INFORMATION

<b>Classification:</b>	Classified as Hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.
<b>Hazard Category:</b>	Explosives - Division 1.4
<b>Hazard Statement(s):</b>	H204 Fire or projection hazard
<b>Poisons Schedule:</b>	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
<b>Inventory Listing(s):</b>	All components are listed on the Australian Inventory of Chemical Substances (AICS).

### 16. OTHER RELEVANT INFORMATION

<b>Revision Date:</b>	March 2017
<b>Reason(s) for Issue:</b>	Changes to Safe Work Australia's requirements for Safety Data Sheets to align with the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) requirements.

*The information contained in this SDS is believed to be accurate and has been obtained from sources considered reliable. Users of this information should make their own investigations to determine the suitability of the information for their particular use or situation. NITRO SIBIR AUSTRALIA does not in any way warrant or imply the applicability, viability or use of this information to any person, for use in any situation.*

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