

**SAFETY DATA SHEET**

Product Name: **Nanoman Electrical + Circuits DRY**

FILE NO: NTP/DRY/1002

SDS DATE: 01/06/2019

**SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Product Name:** Nanoman Electrical + Circuits DRY  
**Synonyms:** Nanoman Universal Dry  
 Nanoman Moisture and Corrosion Protection Dry  
 Nanoman Electronic and Electrical Circuit Protection Dry  
 Nanoman Universal Dry Plate

**Company Name:** Nanotech Products Pty Ltd (ABN 47 153 300 933)  
**Address:** 8/50-54 Howleys Road, Notting Hill, VIC 3168

**Telephone:** 1300 696 266  
 Business Hours 9:00am to 5:00pm, Monday to Friday

**Other Names** Not Applicable

**Recommended Use:** For coating of surfaces to provide protection against corrosion and electrical short circuiting.

**SECTION 2: HAZARDS IDENTIFICATION**

**Hazard statement** H225 Highly flammable liquid and vapor  
 H304 May be fatal if swallowed and enter airways  
 H315 Causes skin irritation  
 H336 May cause drowsiness or dizziness  
 H411 Toxic to aquatic life with long lasting effects



GHS07



GHS02



GHS08



GHS09

**Precautionary Statement (Prevention)** P233 Keep container tightly closed  
 P261 Avoid breathing dust/fume/gas/mist/ vapours/spray  
 P264 Wash .....thoroughly after handling  
 P271 Use only outdoors or in a well-ventilated area  
 P280 Wear protective gloves/protective clothing/eye protection/face protection  
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 P242 Use only non-sparking tools  
 P243 Take precautionary measures against static discharge  
 P273 Avoid release into environment

**Precautionary Statement (Response)** P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P303+P361+P353 If on skin or hair: remove/take off immediately all contaminated clothing. Rinse skin with water/shower  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/ Physician  
 P331 - Do NOT induce vomiting  
 P312 Call a POISON CENTER or doctor/physician if victim feels unwell  
 P332 + P313 If skin irritation occurs: Get medical advice/attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P391 Collect spillage. Hazardous to the aquatic environment

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**Precautionary Statement (Storage)** P403+P233+P235 Store in a well-ventilated place. Keep cool. Keep container tightly closed.  
P405 Store locked up.

**Precautionary Statement (Disposal)** P501 Dispose of contents/container to an approved waste disposal plant.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Characterisation Ingredients:**

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Naphta	64742-49-0	>50 <90%
Proprietary Ingredients #	-	Remainder

# determined not to be hazardous

**SECTION 4: FIRST AID MEASURES**

**General Advice:** Remove contaminated or saturated clothing.

**Inhalation:** Remove victim from exposure. Take affected persons out into the fresh air. In case of persistent discomfort seek medical attention.

**Ingestion:** Have the mouth rinsed with water. Have the patient drink plenty of water in small sips. Do not induce vomiting. Obtain medical attention.

**Skin Contact:** Wash off immediately with plenty of water. If swelling, redness, blistering or irritation occurs seek medical advice.

**Eye contact:** Keeping eyelid open, immediately rinse thoroughly for at least 5 minutes using plenty of water or, eye rinsing solution. Seek medical attention.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Specific Measures:** Caution: Use of water spray when fighting fire may be insufficient. Small fire: use foam, dry chemical, CO2 or water spray. Large Fire: Use foam, fog or water spray.

**Specific Hazards:** If safe to do so move undamaged containers from fire area. Cool containers with water until well after fire is out. Avoid getting water inside containers.

**Precautions for Firefighters** Wear respiratory protection equipment. Fully-encapsulated, gas tight suits should be worn for maximum protection

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Protective clothing should be worn to prevent excessive skin contact.

**Environmental Precautions:** Prevent liquid entering sewers. Do not allow to enter surface waters, storm drains, etc.

**Small spills:** Take immediate steps to stop and contain the spill. Caution should be excised regarding personnel safety and exposure to be spilled material. Eliminate all sources of ignition and wear protective clothing. Absorb small spills onto paper towels and evaporate in a safe place Flush the contaminated area with plenty of water.

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**Large spills:** Stop leak if you can do it without risk. Eliminate all sources of ignition and static; restrict access to area until completion of clean-up procedure. Wear adequate protective equipment, use self-contained breathing apparatus in confined poorly-ventilated areas. Large quantities should be absorbed on to sand, earth or non combustible absorbent material and removed to a safe area for disposal. Flush the contaminated area with plenty of water.

**SECTION 7: HANDLING AND STORAGE**

**Handling and Storage:** Avoid contact with skin or in eyes. Do not inhale vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. Open and handle container with care. Keep away from open fire. Keep away from heating sources. Keep away from sources of ignition.

**Conditions for safe Storage:** Keep container tightly closed in a cool, dry and well-ventilated place away from direct sunlight and other sources of heat or ignition. Store away from oxidising agents. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Check regularly for leakage.

**Storage Regulations:** Refer Australian Standard AS 1940 -2004 "the storage and handling of flammable and combustible liquids".

**Storage class:** Not Applicable

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

National Exposure Standard:	Name	CAS No	STEL		TWA	
			mg/m3	ppm	mg/m3	ppm
	Naptha	64742-49-0			2,085	500

**Respiratory Protection:** Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Select and use respirators in accordance with AS 1716 – Respiratory Protective Devices and be selected in accordance with AS 1715 – Selection, Use and Maintenance of Respiratory Protective Devices.

**Eye Protection:** The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

**Skin Protection:** Hand protection should comply with AS 2161, Occupational protective gloves – Selection Use and Maintenance. Recommendation: PVC, neoprene or nitrile rubber gloves.

**Other Protective Clothing Equipment:** Impermeable clothing. The type of protective clothing and equipment depends on the concentration and amount of hazardous substances in the working environment.

**Hygienic Measures:** Always wash hand before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**Footwear:** Safety boots in industrial situations is advisory. Foot protection should comply with AS 2210, occupational protective footwear- Guide to selection, care and use.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Form:** Liquid

**Appearance:** Clear light brownish liquid

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**Odor:** aliphatic hydrocarbon odour**Melting Point:** N/A**Boiling Point:** between 110°C and 140°C**Solubility in Water:** Not mixable or difficult to mix and to 100 % in organic solvent**Flash Point:** : < 30°C**Relative Density:** 0.728 kg/l (at 20° C)**Ignition Temp.** ca. 250 °C**Explosive Properties** Lower 0.9 Vol %  
Upper 6.8 Vol %**Oxidising Properties** none known

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**SECTION 10: STABILITY AND REACTIVITY**

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**Chemical Stability:** Stable under normal use conditions**Conditions to Avoid** Heat, sparks, flame and build up of static electricity.**Incompatibility  
(Material  
To Avoid):** acids, alkalines, oxidants, reductants**Hazardous  
Decomposition** does not decompose with normal use

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Toxicological Effects:** **Acute toxicity**  
LD50 Oral (Rat) >5000 mg/kg  
LD50 Dermal (Rabbit) >2000 mg/kg  
LC50 Inhalation (Rat) >20 mg/l**Other Information:** Chronic effects on Humans – nota available  
Toxic effects on Humans – not available**General:** From our experience and the information provided to us this product does present any adverse health effects if the product is handled in accordance with this Material Safety Data Sheet and product label.**Ingestion:** May cause nausea, vomiting, headache, dizziness and gastric irritation**Eye Contact:** May cause irritation and watering. High concentration of vapours may cause irritation.**Skin Contact:** Contact with the skin may result in irritation**Inhalation:** Where the material is used in a poorly ventilated area, at elevated temperature or in confined spaces, vapour may cause irritation to the mucous membranes of the respiratory tract. May cause headaches, dizziness and nausea.

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**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Toxic to aquatic life with long lasting effects. Do not allow material to contaminate ground water system. See the following tables for the substance's ecotoxicity data.

CAS No	Toxicity to Fish		
	LC50 / 96h	NOEC / 21 day	M Factor
64742-49-0	4.1 mg/L (Fathead minnow)	N/Av	None
CAS No	Toxicity to Daphnia		
	EC50 / 48h	NOEC / 21 day	M Factor
64742-49-0	10 mg/L (Daphnia magna)	2.6 mg/L	None.
CAS No	Toxicity to Algae		
	EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
64742-49-0	11 mg/L/72hr (Green algae)	0.1 mg/L/72hr	None.

**Environmental Mobility:** This substance is highly volatile and will rapidly evaporate to the air if released into the environment

**Environmental Degradability:** This substance can degrade rapidly in air. This substance is expected to be removed in a wastewater treatment facility. Based upon data for a similar component or preparation, or estimated data. This substance is expected to biodegrade rapidly and be "readily" biodegradable according to OECD guidelines.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal Considerations** Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local authority, state and federal government regulations.

**SECTION 14: TRANSPORT INFORMATION**

	Land Transport	Sea Transport (IMDG / IMO)	Air Transport (IATA / ICAO)
UN Number	3295	3295	3295
Proper Shipping Name	Hydrocarbons, liquid N.O.S	Hydrocarbons, liquid N.O.S	Hydrocarbons, liquid N.O.S
DG Class	3	3	3
Identification Number of Hazard	33	33	33
Hazchem Code	3YE	3YE	3YE
Packaging Group	II	II	II
Marine pollutant	yes	yes	yes

**SECTION 15: REGULATORY INFORMATION**

**Classification:** Based on available information, not classified as hazardous according to criteria of Safe Work Australia; Non-Hazardous Substance.

**Poisons Schedule:** Not scheduled

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**SECTION 16: OTHER INFORMATION**

**DISCLAIMER:** The information contained in this Material Safety Data Sheet (MSDS) is believed to be correct and was obtained from sources we believe are reliable. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Nanotech Products makes no representations, guarantees or warranties of any kind as to the accuracy, suitability for particular applications, hazards connected with the use of the material, or the results to be obtained from the use thereof. User assumes all risks and liability of any use, processing or handling of any material, variations in methods, conditions and equipment used to store, handle or process the material and hazards connected with the use of the material are solely the responsibility of the user and remain at their sole discretion. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the user, and the user has the responsibility to provide a safe work place, to examine all aspects of its operation and to determine if or where precautions, in addition to those described herein, are required.

**Abbreviations  
and****acronyms:**

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

ADG Australian Dangerous Goods

NOHSC National Occupational Health &amp; Safety Commission