SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Nanoman Electrical + Circuits
Synonyms: Nanoman Universal
Nanoman Moisture and Corrosion Protection
Nanoman Electronic and Electrical Circuit Protection

Company Name: Nilima Nanotechnologies
Address: 1F, Gomti Bhavan, 27E, French Road, Chowpatty, Mumbai - 400007

Telephone: +91 22 79698548
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
H315 Causes skin irritation
H320 Causes eye irritation
H332 Harmful if inhaled
H335 May cause respiratory irritation.

Precautionary Statement (Prevention)
P233 Keep container tightly closed
P261 Avoid breathing dust/fume/gas/mist/ vapours/spray
P264 Wash …..thouroughly after handling
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves/protective clothing/eye protection/face protection

Preautionary 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.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.
P337+P313 If eye irritation persists: Get medical advice/attention.

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:

Name	CAS	Proportion
Naptha (petroleum)	64742-47-8	<9%
Lubricating Oils	72623-85-9	>70
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.

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 mg/m3	STEL ppm	TWA mg/m3	TWA ppm
Naptha	64742-47-8			200	
Lubricating Oils	72623-85-9			…N/A	

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 nitile 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: Green/Brown

Odor: Characteristic

Melting Point: N/A

Boiling Point: N/A

Solubility in Water: not soluable

Flash Point: : >195 °C

Relative Density: 0.842 kg/l (at 20° C)

Ignition Temp. ca. 370 °C

Explosive Properties not applicable

Oxidising Properties not applcable

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

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.

SECTION 12: ECOLOGICAL INFORMATION

Ecological Information: No ecological problems are expected to occur when the product is handled and used with due care and attention

Ecotoxicity: Avoid contaminating waterways

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	Not applicable	Not applicable	Not applicable
Proper Shipping Name	Not applicable	Not applicable	Not applicable
DG Class	Non-hazardous	Non-hazardous	Non-hazardous
Identification Number of Hazard	Non-hazardous	Non-hazardous	Non-hazardous
Hazchem Code	Not applicable	Not applicable	Not applicable
Packaging Group	Non-hazardous	Non-hazardous	Non-hazardous
Marine pollutant	no	no	no

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

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. Nilima Nanotechnologies 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 & Safety Commission