

MATERIAL SAFETY DATA SHEET**HAZCHEM CODE 2 W E**

Minehanmsds576.1

Product name – **Minehan NUCHAIN Chain & Cable Lubricant With Moly.**

Uses - as a chain and cable lubricant and protectant.

Manufacturer - Minehan Agencies Pty Ltd ACN 010 895 100.

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UNNO 1950 HAZCHEM CODE 2 W E CLASS 2.1 P.G. AEROSOL

The product is classified as hazardous according to Worksafe Australia criteria.

Hazardous Material	C.A.S. No	concentration w/w
LPG	68476-85-7	10 -30 %
MOLYBDENUM	7439-98-7	5 %

The balance of the ingredients are either non hazardous or well below the cut of point for hazardous substances.

PHYSICAL DATA

Vapour pressure (mm Hg)-	0.1	Vapour density (air=1) -	>1
Solubility in water -	insoluble	Specific Gravity (water=1) -	0.90
Evaporation Rate -	N/R (Butyl Acetate =1)		
Flash point Tag C.C. -	>95° C based on product without propellant.		
Appearance and odour -	Grey-Black liquid with mild solvent odour.		

FIRE AND EXPLOSION DATA

Flash Point (closed cup) >95° C based on product without propellant.

Flammable Limits LEL: N/A

Extinguishing media: CO2, DRY CHEMICAL.

Special Fire Fighting Procedures: Water fog may be used to keep containers cool.

Unusual Fire or Explosion Hazards: AEROSOL –FLAMMABLE. CONTENTS UNDER PRESSURE. EXPOSURE TO TEMPERATURES ABOVE 48 ° C MAY CAUSE BURSTING.

Vapours may fall and collect.

Incompatibles – Strong oxidising agents, Heat.

Hazardous polymerization - Will not occur.

Hazardous Decomposition Products: CO, CO2 and partially burned hydrocarbons.

Conditions to avoid: heat over 48 ° C.

HEALTH HAZARD DATA - (acute and chronic):**INHALATION:** May cause nausea, light-headedness especially in confined spaces.**SKIN:** May cause irritation.**EYES:** Irritating to eye/s.**INGESTION:** Harmful: May cause lung and digestive tract damage if swallowed.

Carcinogenicity: NTP - no. IARC monographs - no. OSHA Reg: no.

Notes to physician: Excessive exposure to product propellant may aggravate Respiratory, Cardiovascular or Pulmonary illnesses due to replacement of oxygen in the air by inert gases.

FIRST AID

EYE/S – If in eye/s flood with water for 15 minutes. If symptoms persist, contact doctor or hospital.

SKIN – Wash with soap and water. Remove contaminated clothing, launder BEFORE REUSE.

INHALATION – Get to fresh air. Apply artificial respiration if not breathing.

INGESTION – Do NOT induce vomiting. Do NOT give anything to a person who is not fully conscious. If conscious, give a glass of water to drink. Transport to doctor or hospital.

Take this Material Safety Data sheet to the doctor with the patient.

Notes to physician: Treat symptomatically and according to constituents. Suggest intubation BEFORE emesis.

SPECIAL PROTECTION INFORMATION

Workplace ventilation. There are no special ventilation requirements in normal conditions. In confined spaces or poorly ventilated areas ensure that the concentration of product is below 100 ppm (TLV).

TLV is the maximum concentration allowable for an 8 hour day 5 day week exposure.

EYE SHIELDS: Eye goggles should be worn.

GLOVES – type and length - PVC, Neoprene. Gauntlet length if work procedures could result in skin contact.

APRONS – Not required under normal conditions.

BOOTS – As required by working conditions. Oil resistant.

STORAGE AND HANDLING

STORAGE- Store as for AEROSOL according to AS 1940 or local regulations. Keep to below 48 ° C by storing in a secure, cool, place away from food and foodstuff empties.

HANDLING- Shake the can well before use. Ensure ventilation is adequate. Do NOT smoke or use near sources of ignition.

DISPOSAL - Dispose of empty containers by placing in refuse or according to local regulations. Do NOT puncture cans or incinerate.

Each user must read this MSDS and consider the information in the context of the use to which the product will be handled or used in any workplace. Users should also consider effects due to other products, which may be in use in the same area at the same time. Appropriate risk assessments should be carried out BEFORE use of products. All labels should be read BEFORE use of the product.

This MSDS prepared by T. Murfin 10th January 2009.

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Signed

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