

Material Safety Data Sheet

NOVITHOR™ Termite Proof Flexi-Gel

Section 1 - IDENTIFICATION OF CHEMICAL PRODUCT AND COMPANY

This product is classified as Hazardous according to the criteria of NOHSC Australia.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

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Tel: 13 35 36

Substance: Gel

Trade Name: NOVITHOR Termite Proof Flexi-Gel.

Product Use: Installation of physical termite barrier systems.

Creation Date: 8 July 2011

Reviewed on: 23 November 2011

Section 2 - HAZARDS IDENTIFICATION

Safety Phrases: Avoid contact with eyes.
Wear suitable gloves.
Use only in well ventilated areas.

Risk Phrases: May cause sensitization by skin contact.

SUSDP Classification: Not classified.

ADG Classification: None allocated. Not a Dangerous Good.

UN Number: None allocated

Emergency Overview

Physical Description & colour: Grey gel.

Odour: Slight

Potential Health Effects

See section 11 for Chronic exposure studies.

Inhalation:

Short term exposure: Available data indicates that this product is not harmful.

Skin Contact:

Short term exposure: This product may cause skin numbness to sensitive individuals handling the product. It is considered unlikely to cause anything more than transient discomfort.

Eye Contact:

Short term exposure: This product should not be irritating to eyes. Do not rub eyes with hands after handling the product. Wash hands after use.

Ingestion:

Short term exposure: Not likely due to presentation.

Carcinogen Status:

NOHSC: No significant ingredient is classified as carcinogenic by NOHSC.(Category 2 Classification)

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: Class 3 - unclassifiable as to carcinogenicity to humans.

Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc %.
Hydrotreated middle petroleum distillates	64742-46-7	<10
Methyltri (ethylmethylketoxime) silane	22984-54-9	<10
Vinyltri (ethylmethylketoxime) silane	2224-3-1	<10
Other non hazardous ingredients		to 100%

Section 4 - FIRST AID MEASURES

General Information:

In Australia, you should call The Poisons Information Centre, if you feel that you may have been poisoned by this product. The number is 13 11 26 from anywhere in Australia and is available at all times. Alternatively contact a doctor or hospital.

Ingestion: Seek medical attention.

Inhalation: Remove to fresh air. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Remove from skin, flush with lukewarm, gently flowing water for 15 minutes. If in doubt obtain medical advice.

Eye Contact: If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 15 minutes. Obtain medical advice if irritation becomes painful.

Section 5 - FIRE FIGHTING MEASURES

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances. This product is not combustible. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: On large fires use dry chemical or foam. On small fires use CO₂ or dry chemical. Water can be used to cool fire exposed containers.

Fire Fighting: When fighting fires involving significant quantities of this product, wear a splash suit complete with self-contained breathing apparatus.

Hazchem Code: Not applicable.

Section 6 - ACCIDENTAL RELEASE MEASURES

Accidental Release: In the event of a major spill, prevent spillage from entering drains or water courses. Wear protective clothing including face mask, face shield and gauntlets. See under Personal Protection regarding Australian Standards relating to personal protective equipment. Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately. Dispose of material according to local laws and regulations.

Section 7 - HANDLING AND STORAGE

Handling: Use with adequate ventilation. Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air. Provide ventilation during use to control methyl ethyl ketoxime (MEKO) within exposure guidelines. Avoid skin and eye contact. Avoid breathing vapour. Do not take internally. Exercise good industrial hygiene practise.

Wash after handling, especially before eating, drinking or smoking. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed.

Storage: Store in a dry, cool, well-ventilated area away from oxidizing materials.

Section 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Exposure Standards:

<u>Ingredient</u>	<u>Exposure Limit</u>
Hydrotreated middle Petroleum distillates	Observe oil mist limits. OSHA PEL (final rule) and ACGIH TLV: TWA 5 mg/m ³ ; ACGIH STEL 10 mg/m ³ . No biological limit allocated.
Methyl Tri(ethylmethyletoxime) Silane	No biological limit allocated.
Vinyltri (methylethylketoxime) Silane	No biological limit allocated.
Ethyl methyl ketoxime may be formed upon contact with water or humid air.	Provide adequate ventilation to control exposures within the following exposure guidelines: TWA: 3 ppm, STEL 10ppm

Engineering Controls:

Local Ventilation: Recommended.

General Ventilation: Recommended.

Respirator: If ventilation is poor, use Organic vapour type respiratory protection.

Eye Protection: Use safety glasses or face shield.

Skin Protection: Wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types. We suggest that protective clothing be made from nitrile or butyl rubber.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour: Grey gel

Odour: Slight odour

Water Solubility: Not soluble in water

Specific Gravity @ 25°C: 0.985

Section 10 - STABILITY AND REACTIVITY

Reactivity: This product is unlikely to react or decompose under normal storage conditions.

Chemical Stability: Stable.

Fire Decomposition: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide, Nitrogen oxides, formaldehyde. Metal oxides.

Incompatibilities: Strong oxidising agents. Water, moisture can cause hazardous vapours to form during application.

Polymerisation: This product is unlikely to undergo polymerisation processes.

Section 11 - TOXICOLOGICAL INFORMATION

Laboratory experiments on rodents have shown methylethylketoxime (MEKO), which may evolve if exposed to moisture during application, may temporarily affect the blood's ability to transport oxygen (methaemoglobinaemia). Inhalation in confined areas can reduce the sense of smell (olfactory cells), which is reversible upon removal from exposure. Rodents exposed to chronic MEKO inhalation throughout their lifetimes showed increases in liver tumour rates.

Section 12 - ECOLOGICAL INFORMATION

Effects on Aquatic Organisms: No adverse effects on aquatic organisms.

Environmental Fate: Solid material, insoluble in water. No adverse effects are predicted.

Bioaccumulation: No bioaccumulation potential.

Breakdown of Chemical in Surface Water: No adverse effects on bacteria are predicted.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal: Dispose of in normal waste landfill.

Section 14 - TRANSPORT INFORMATION

ADG Code: This product is not a Dangerous Good. No special transport conditions necessary.

UN No:	Not applicable.
Proper Shipping Name:	Not applicable.
Class:	Not applicable.
Packing Group:	Not applicable.
Hazchem Code:	Not applicable.
Sea transport (IMDG)	Not subject to IMDG code.
Air Transport (IATA-DGR)	Not subject to IATA regulations.

Section 15 - REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.

Chemical Inventories:

IECSC: All ingredients listed or exempt.

PICCS: All ingredients listed or exempt.

KECL: All ingredients listed, exempt or notified.

Section 16 - OTHER INFORMATION

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
HSNO	Hazardous Substances & New Organisms
IATA – DGR	International Air transport Regulations / dangerous Goods Regulations
IARC	International Agency for Research on Cancer
IECSC	The Inventory of Existing Chemical Substances Produced or Imported in China
IMDG	International Maritime Dangerous Goods
KECL	Korean Existing Chemicals List
NOHSC	National Occupational Health and Safety Commission
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
PICCS	Philippine Inventory of Chemicals and Chemical Substances
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled and used in the workplace.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Ensystem so we can attempt to obtain additional information from our suppliers

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

Please read all labels carefully before using product.