



<b>GHS Precautionary Statement</b>
P264 – Wash hands thoroughly after handling P280 – Wear protective gloves/clothing. P102 – Keep out of reach of children.

INHALATION EXPOSURE	May cause slight irritation to mucous membranes.
INGESTION	Not intended for ingestion. Slightly hazardous with very low risk of acute toxicity. May Cause irritation to gastrointestinal tract if ingested in large amounts.
SKIN CONTACT	Non hazardous, might be slight irritant during prolonged contact. Wash with running water
EYE CONTACT	Slight possibility of being irritating to the eye. Wash with running water.
CHRONIC (PROLONGED) EXPOSURE	None to Low Toxicity
AGRIVATING CONDITIONS WITH COMBINATIONS	No information available

**SECTION 3.**  
**COMPOSITION & INFORMATION ON INGREDIENTS**

<b>Identity</b>	<b>CAS-No.</b>	<b>% w/w</b>	<b>Symbol</b>
Poly-1-p-Menthene	34363-01-4	>=85 - < 95	
Non Disclosed Ingredients		>= 5 - < 10	

Ingredients not identified are confidential or non hazardous. Values on MSDS are not product specifications

**SECTION 4.**  
**FIRST AID MEASURES**

IF IN HALLED	Remove victim to fresh air if necessary. Product should not be hazardous if inhaled.
IF SWALLOWED	Swallowing small quantities is not harmful. If large quantities are swallowed seek medical advice if required.
IF ON SKIN	Not harmful. Wash with water and soap.
IF IN EYES	Immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. If irritation persists repeat rinse. Seek medical advice if required.

**MEDICAL ADVICE:** Symptomatic treatment and supportive therapy as indicated above

**SECTION 5.**  
**FIRE FIGHTING MEASURES**

AUTO IGNITION TEMPERATURE (°C)	Not Flammable
FLASH POINT (°C)	No Flash
EXSTINGUISHING MEDIA	For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires use foam or water-fog; avoid using water jet. Contain run-off with barriers, e.g. earth.
FIRE & EXPLOSION HAZARDS	Not Flammable. Keep fire exposed containers cool by spraying with water. Container could explode when heated.
PROTECTIVE EQUIPMENT	Wear full protective clothing and NIOSH-approved self-contained breathing apparatus. Fire might produce irritating vapours, mists or other combustion products.

**SECTION 6.**  
**ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS	No special equipment or personal protective equipment is required.
CLEANING METHODS	Absorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washing must be prevented from entering surface water drains. Seal drums and dispose of contaminated material in a facility permitted for hazardous waste. Large spills should be handled according to a spill remediation plan.
DEACTIVATING CHEMICALS	Not necessary
ADDITIONAL INFORMATION	ADHERE is a liquid. Spillages or uncontrolled discharges into water sources must be alerted to the appropriate regulatory body.

**SECTION 7.**  
**HANDLING AND STORAGE**

SAFE HANDLING	Practice good industrial housekeeping practices
STORAGE REQUIREMENTS	Store in original containers with lid closed. Keep in cool and dry area. Protect the containers from physical damage.

STORAGE TEMPERATURE	Do not expose sealed containers to temperatures exceeding 37°C
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**SECTION 8.**  
**EXPOSURE CONTROL/PERSONAL PROTECTION**

VENTILATION CONTROL	No specific control measures required
EYE PROTECTION	Eye contact with the material should be avoided
SKIN PROTECTION	Gloves and protective clothing made from Viton or PVC is recommended but not required.

**SECTION 9.**  
**PHYSICAL & CHEMICAL PROPERTIES**

STABILITY	Stable under normal storage and usage conditions
INCOMPATIBILITY	Strong Oxidizing agents.
HAZARDOUS POLYMERISATION	Will not occur
HAZARDOUS DECOMPOSITION	Carbon Dioxide, Carbon Monoxide
CONDITIONS TO AVOID	Heat, flames, ignition sources and incompatibles
THERMAL DECOMPOSITION	Non Hazardous

**SECTION 10.**  
**STABILITY & REACTIVITY**

STABILITY	Stable under normal storage and usage conditions
INCOMPATIBILITY	Strong Oxidizing agents.
HAZARDOUS POLYMERISATION	Will not occur
HAZARDOUS DECOMPOSITION	Carbon Dioxide, Carbon Monoxide
CONDITIONS TO AVOID	Heat, flames, ignition sources and incompatibles
THERMAL DECOMPOSITION	Non Hazardous

**SECTION 11.**  
**TOXICOLOGICAL INFORMATION**

ORAL LD50 (Rat)	> 5000 mg/Kg
DERMAL LD50 (Rabbit)	> 5000 mg/Kg
INHALATION LD50 (Rat)	2.46mg/Lt

OTHER EFFECTS OF OVEREXPOSURE	Non Hazardous
CARCINOGENIC EFFECTS	Not Carcinogenic
REPRODUCTIVE TOXICITY	Not a Reproductive Toxin

**SECTION 12.**  
**ECOLOGICAL INFORMATION**

ENVIRONMENTAL FATE	Poly-1-p-Menthene, the active ingredient in this product is degraded in soils by micro-organisms in proximately 15 days. However, it is not readily degradable in water and is partly soluble in water. It may cause long term adverse effects in aquatic environments. It has no inhibitory effects to sewage micro-organisms.
ENVIRONMENTAL TOXICITY	No toxicity ever recorded. Essentially non-toxic to bees (48 hrs. LC50 > 200 µg/bee) and earthworms (14 day LC50 > 1 000 ppm)

**SECTION 13.**  
**DISPOSAL CONSIDERATIONS**

Dispose contaminated absorbents, surplus product, etc. in a responsible manner.
Empty containers should be rinsed and disposed of in accordance to local waste disposal legislation. Do not reuse containers

**SECTION 14.**  
**TRANSPORT INFORMATION**

Non – Dangerous
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**SECTION 15.**  
**REGULATORY INFORMATION**

NATIONAL LEGISLATIONS	National Road Traffic Act, 1996 (Act 93 of 1996) Fire Brigade Service Act, 1987 (Act 99 of 1987) Occupational Health & Safety Act, 1993 (Act 85 of 1993)
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**SECTION 16.**  
**OTHER INFORMATION**

The Information contained in this MSDS is offered as a guide to handle specific material and is based on the current scientific and technical knowledge at the date indicated on the present MSDS. This information is provided in good faith and believed to be accurate and correct. This information is not intended to be all inclusive and the manner and conditions of use and handling may involve other additional considerations. No warranty of any kind is given or implied by IN LINE TRADING and IN LINE TRADING will not be liable for any damages, injuries or consequential damages which may result from the use of or reliance on any information contained herein. It remains the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. Upon receipt of any changes a new MSDS will be made available

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