



Safety Data Sheet

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: MAG 1 BELT DRESSING
Product Code: MAG10446
Emergency Phone: (800) 424-9300 (202) 483-7616 (CHEMTREC)
Poison Control Center: (800) 222-1222
Company: Warren Distribution, Inc.
727 S. 13th St.
Omaha, NE 68102
Information Phone: (800) 825-1235 (402) 341-9397
Revision Number: 7

II. HAZARDS IDENTIFICATION

Routes of Entry: Inhalation, Skin contact, Ingestion, Eye contact
Chemical Interactions: No chemical interaction known to affect toxicity.
Conditions Aggravated by Exposure: Skin disease including eczema and sensitization, Respiratory disease including asthma and bronchitis, Eye disease

Acute Health Effects:

Inhalation Irritation: Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. High concentrations may be fatal. This product is an asphyxiant gas that can cause unconsciousness or death if Oxygen levels are sufficiently reduced.

Skin Contact: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.

Skin Absorption: No absorption hazard in normal industrial use.

Eye Contact: Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

Ingestion Irritation: Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea. Ingestion of this product may result in central nervous system effects including headache, sleepiness, dizziness, slurred speech and blurred vision. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Chronic Health Effects:

Carcinogenicity: Not a carcinogen according to NTP, IARC, or OSHA.
Reproductive Toxicity: No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.



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HMIS Ratings:

Health: 2
Fire: 4
Reactivity: 0
PPE: B

NFPA Ratings:

Health: 2
Fire: 4
Reactivity: 0

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Heptane	10 - 30	142-82-5	500 ppm TWA; 2000 mg/m ³ TWA
n-Hexane	10 - 30	110-54-3	500 ppm TWA; 1800 mg/m ³ TWA
Propane	10 - 30	74-98-6	1000 ppm TWA; 1800 mg/m ³ TWA
Butane	10 - 30	106-97-8	No PEL

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

IV. FIRST-AID MEASURES

Inhalation:	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen and get medical attention immediately.
Eyes:	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
Skin Contact:	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion:	Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this MSDS. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal. Contains a toxic substance. Seek medical help immediately and contact a poison information service. Drink two glasses of water or milk to dilute.
Notes to Doctor:	No additional first aid information available.

V. FIRE FIGHTING MEASURES

Flammability	Extremely Flammable
Summary:	
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and keep exposed material from being damaged by fire.
Fire and/or Explosion Hazards:	Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. Vapors are heavier than air and may travel to a source of ignition and flash back Extremely Flammable. Material will readily ignite at room temperatures. Flammable Gas. Can readily form explosive air/gas mixture at room temperature or at lower temperatures that are above the flash point. Container may explode in heat of fire. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be



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dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained toxic breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Use water spray/fog for cooling. Use methods for the surrounding fire. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

Autoignition Temperature: No data.

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of in regular trash as product is not considered a hazardous waste. Used fluid should be disposed of at a recycling center. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Do not flush to sewer.

VII. HANDLING AND STORAGE

Handling Precautions: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer. Use spark-proof tools and explosion-proof equipment Do not get in eyes, on skin and clothing. Wash thoroughly after handling. Ground and bond containers when transferring material "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.

Storage Conditions: Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Explosion proof exhaust ventilation should be used. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Engineering controls must be designed to control vapor concentrations to below levels published in 29 CFR 1910.1000.

Respiratory Respiratory protection will be required when handling this product. Use respirators only



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Protection: if ventilation cannot be used to eliminate symptoms or reduce the exposure to below acceptable levels. Wear a NIOSH approved respirator if any exposure is possible. Follow a respiratory protection program that meets 29 CFR 1910.134 and ANSI Z88.2 requirements whenever work place conditions warrant the use of a respirator.

Respirator Type(s): If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available. Wear goggles and a Face shield.

Skin Protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

Gloves: Polyvinylalcohol, Nitrile

Control Parameters:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	IDLH	OSHA STEL
Heptane	400 ppm TWA	500 ppm STEL	750 ppm IDLH	No STEL
n-Hexane	(50) ppm TWA; (176) mg/m3 TWA	No STL	1100 ppm IDLH (10% LEL)	No STEL
Propane	1000 ppm TWA	No STL	2100 ppm IDLH (10% LEL)	No STEL
Butane	1000 ppm TWA	No STL	No IDLH	No STEL

IX. PHYSICAL AND CHEMICAL PROPERTIES

Odor: No data
Solubility in Water: Not determined
Evaporation Rate: No data.
Vapor Pressure: No data.
Boiling Point (°C): No data.
Specific Gravity: 0.77
Density: 6.43
Flash Point Method: No data.
Upper Flammability Limit, % in air: Unknown
Lower Flammability Limit, % in air: Unknown



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X. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Sparks, open flame, other ignition sources, and elevated temperatures. Contamination. High temperatures Elevated temperatures
Materials to Avoid:	Strong oxidizing agents, Oxidizing materials
Hazardous Polymerization:	Will not occur.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicity:

Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.
Inhalation:	Toxic! Can cause systemic damage (see "Target Organs"). Respiratory failure is possible at high doses.
Absorption:	No absorption hazard in normal industrial use.
Eyes (Draize score):	No data.
Skin (Draize score):	No data.

Component Toxicology Data (NIOSH):

Chemical Name	CAS Number	LD ₅₀ /LC ₅₀
Heptane	142-82-5	Inhalation LC50 Rat 103 g/m ³ 4 h; Oral LD50 Mouse 5000 mg/kg; Dermal LD50 Rabbit 3000 mg/kg
Hexane	110-54-3	Inhalation LC50 Rat : 48000 ppm/4H; Oral LD50 Rat : 28710 mg/kg
Propane	74-98-6	Inhalation LC50 Rat 658 mg/L 4 h
Butane	106-97-8	Inhalation LC50 Rat 658 mg/L 4 h

XII. ECOLOGICAL INFORMATION

Overview:	This material is not expected to be harmful to the ecology.
Persistence:	No data.
Bioconcentration:	Bioconcentration is not expected to occur.
Degradability:	No data.

Toxicity to Aquatic Invertebrates:	CAS Number	Results
Heptane (n-)	142-82-5	24 Hr EC50 Daphnia magna: >10 mg/L
Hexane	110-54-3	24 Hr EC50 Daphnia magna: >1000 mg/L
Toxicity to Fish:	CAS Number	Results
Heptane (n-)	142-82-5	96 Hr LC50 Cichlid fish: 375.0 mg/L
Hexane	110-54-3	96 Hr LC50 Pimephales promelas: 2.1-2.98 mg/L [flow-through]

XIII. DISPOSAL CONSIDERATIONS

Disposal of Packaging:	Recycle containers whenever possible.
Disposal Methods:	Dispose of by incineration following Federal, State, Local, or Provincial regulations.
Waste Disposal Code(s):	D001



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XIV. TRANSPORTATION INFORMATION

D.O.T.	Proper Shipping Name:	CONSUMER COMMODITY
	Hazard Class:	ORM-D
IMO/IMDG	Proper Shipping Name:	AEROSOLS
	UN Number:	UN1950
	Hazard Class:	2.1
	Exception:	LTD QTY
	EMS#:	F-D, S-U

XV. REGULATORY INFORMATION

State Restrictions: ND
WHMIS: ND

Chemical Name	CAS Number	Regulation	% Range
Hexane	110-54-3	CERCLA RQ	
n-Hexane	110-54-3	SARA 313	10 - 30
None Listed.		SARA 302-EHS	
Heptane (n-)	142-82-5	TSCA 12b export notification	10 - 30
None Listed.		CA Prop 65 – Cancer	
Normal heptane	142-82-5	Canadian WHMIS List	10 - 30
Normal hexane	110-54-3	Canadian WHMIS List	10 - 30
Normal propane	74-98-6	Canadian WHMIS List	10 - 30
Butane	106-97-8	Canadian WHMIS List	10 - 30
Heptane	142-82-5	Massachusetts RTK List	10 - 30
Hexane	110-54-3	Massachusetts RTK List	10 - 30
Propane	74-98-6	Massachusetts RTK List	10 - 30
Butane	106-97-8	Massachusetts RTK List	10 - 30
n-Heptane	142-82-5	New Jersey RTK List	10 - 30
n-Hexane	110-54-3	New Jersey RTK List	10 - 30
Propane	74-98-6	New Jersey RTK List	10 - 30
Butane	106-97-8	New Jersey RTK List	10 - 30
Heptane	142-82-5	Pennsylvania RTK List	10 - 30
Hexane	110-54-3	Pennsylvania RTK List	10 - 30
Propane	74-98-6	Pennsylvania RTK List	10 - 30
Butane	106-97-8	Pennsylvania RTK List	10 - 30
Heptane (n-)	142-82-5	Minnesota Hazardous Substance List	10 - 30
Hexane	110-54-3	Minnesota Hazardous Substance List	10 - 30
Propane	74-98-6	Minnesota Hazardous Substance List	10 - 30
Butane	106-97-8	Minnesota Hazardous Substance List	10 - 30
None Listed.		Rhode Island Hazardous Substance List	



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Consumer Product Safety Improvement Act of 2008 General Conformity Certification:

This product has been evaluated and certified to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

XVI. ADDITIONAL INFORMATION

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