



Well-Worth Products, Inc.  
180 Dutton St.  
Buffalo, NY, 14211  
USA

**PRODUCT: White Knight Lithium Grease**

**CODE: 5002**

**Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Item Numbers..... 5002  
 Product Identity..... White Knight - 16 OZ.  
 Supplier..... Well-Worth Products, Inc.  
 180 Dutton Ave.  
 Buffalo, NY  
 USA 14211  
 wellworthproducts.com  
 Tel: 800-890-7935  
 Fax: 716-597-0217  
 24 hour emergency telephone number..... CHEM TREC: 800-424-9300.

**Section 02: HAZARDS IDENTIFICATION**



Hazard Classification:  
 Physical Hazards..... Flammable Aerosols - Category 2. Gases Under Pressure - Compressed gas .  
 Health Hazards..... Specific Target Organ Toxicity, Single Exposure - Category 3. Specific Target Organ Toxicity, Repeated Exposure - Category 2. Skin Irritation - Category 2. Eye Irritation - Category 2B. Aspiration Hazard - Category 2.  
 Environmental Hazards..... Chronic Aquatic Hazard - Category 3.  
 Label Elements:  
 Signal Word..... WARNING.  
 Hazard Statement..... Flammable Aerosol. Pressurized container: may burst if heated. Causes skin irritation. Causes eye irritation. May be fatal if swallowed and enters airways. May cause respiratory irritation . May cause damage to the liver and kidneys through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.  
 Precautionary Statements:  
 Prevention..... Wear protective gloves. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source . Do not pierce or burn, even after use. Wash thoroughly after handling . Avoid release to the environment .  
 Response..... IF INHALED: Remove person to fresh air and keep comfortable for breathing . Call a POISON CENTER if you feel unwell. IF ON SKIN: Wash with plenty of soap and water . If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Get medical advice/attention if you feel unwell. Collect spillage .  
 Storage..... Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F . Store locked up . Store in a well-ventilated place. Keep container tightly closed.  
 Disposal..... Dispose of contents/ container in accordance with local/regional/national/international regulations.  
 Hazard(s) not otherwise classified (HNOC).. None Known.

**Section 03: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients	CAS #	Wt. %
Isobutane	75-28-5	10-30
Heptane	142-82-5	7-13
Petroleum Distillates	64742-47-8	1-5
Ammonium Hydroxide	1336-21-6	0.1-1.0

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**Section 04: FIRST AID MEASURES**

Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.
Skin Contact.....	Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Consult a poison control centre or physician immediately.
Eye Contact.....	Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
Ingestion.....	If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

**Section 05: FIRE FIGHTING MEASURES**

Suitable Extinguishing Media.....	Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
Unsuitable Extinguishing Media.....	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the Chemical.	In case of fire, the following can be released: Carbon Oxides (CO, CO <sub>2</sub> ), Other unidentified Organic Compounds.
Special Protective Equipment and Precautions for Firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
General Fire Hazards.....	Flammable Aerosol.

**Section 06: ACCIDENTAL RELEASE MEASURES**

Personal Precautions, Protective Equipment and Emergency Procedures	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).
Methods and Materials for Containment and Cleaning Up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.
Environmental Precautions.....	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Section 07: HANDLING AND STORAGE**

Precautions for Safe Handling.....	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.
Conditions for Safe Storage including any Incompatibilities	Store locked up . Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

**Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Ingredients	ACGIH TLV		PEL	OSHA PEL		NIOSH
	TWA	STEL		STEL	REL	
Isobutane	800 ppm	1000 ppm	800 ppm	Not available	800 ppm (TWA)	
Heptane	400 ppm	500 ppm	500 ppm	Not available	85 ppm for n-Heptane, 440 ppm for a ceiling conc.	
Petroleum Distillates	100 ppm	Not available	500 ppm; 2900 mg/m <sup>3</sup>	Not available	350 mg/m <sup>3</sup>	
Ammonium Hydroxide	25 ppm	35 ppm	Not available	Not available	25 ppm	
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.					
Individual Protection Measures: Eye/Face Protection.....	Do not get in eyes. Wear safety glasses with side-shields.					

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**Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Skin Protection.....	Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing.
Respiratory Protection.....	Use dust and mist respirator.
Thermal Hazards.....	None Known.
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Section 09: PHYSICAL AND CHEMICAL PROPERTIES**

Form.....	Aerosol.
Physical Appearance.....	White.
Odor.....	Slight Solvent Odor.
Odor Threshold (ppm).....	N/A.
Specific Gravity .....	0.850- 0.920.
Aerosol Vapour Pressure (psig, 21°C).....	60-80.
Vapour Density (Air=1).....	>1.
pH.....	9.0 - 10.0.
Boiling Point liquid (°C).....	40°C (104°F).
Melting/Freezing Point (°C).....	N/A.
Flash Point (°C), Method.....	Closed cup: -83.15 °C (-117.7 °F).
Flashback.....	N/A.
Evaporation Rate (n-Butyl Acetate = 1).....	N/A.
VOC Content.....	35%.
Solubility in water.....	Nil.
Aerosol Flame Projection.....	N/A.
Auto Ignition Temperature (°C).....	460°C (860°F).
Lower Flammable Limit (% Vol).....	1.8.
Upper Flammable Limit (% Vol).....	8.5.
Coefficient of Water/Oil Distribution.....	N/A.
Viscosity.....	Spindle 05 @ 50rpm, 24 °C: 11000cP -15000cP.

**Section 10: STABILITY AND REACTIVITY**

Reactivity .....	Product not reactive under normal conditions of use.
Chemical Stability.....	Material is stable under normal conditions.
Possibility of Hazardous Reactions.....	Will not occur.
Conditions to Avoid.....	Avoid sources of heat and flame, and electrostatic charge.
Incompatible Materials.....	Keep away from heat. Strong oxidizing agents.
Hazardous Decomposition Products.....	Carbon Oxides.

**Section 11: TOXICOLOGICAL INFORMATION**

Ingredients	LC50	LD50
Isobutane	658 mg/L (4hrs,Rat)	Not available
Heptane	103,000 mg/L (Rat,4hr)	>15,000 mg/kg (rat - oral); >2,000 mg/kg (Dermal,Rabbit)
Petroleum Distillates	>5.2 mg/L (4 hrs - rat)	>5000 mg/kg (rat - oral); >2000 mg/kg (rabbit - dermal)
Ammonium Hydroxide	Not available	350 mg/kg
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	Yes.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	Yes.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical, Chemical and Toxicological Characteristics	Irritant effects. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Defatting of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.	
Acute Toxicity.....	Harmful or fatal if swallowed. Irritating to the eyes,nose and throat. Skin contact may cause irritation.	
Skin Corrosion/Irritation.....	Causes skin irritation.	
Serious Eye Damage/Eye Irritation.....	Causes eye irritation.	
Respiratory or Skin Sensitization.....	May cause sensitization by skin contact . Inhalation may cause respiratory tract irritation.	
Germ Cell Mutagenicity.....	No data available to indicate product or any components present at greater than 0.1% are mutagenic.	
Carcinogenicity.....	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.	
Reproductive Toxicity.....	Based on available data, the classification criteria are not met.	
Specific Target Organ Toxicity - Single Exposure	Specific target organ toxicity single exposure Category 3. May cause respiratory irritation.	

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**Section 11: TOXICOLOGICAL INFORMATION**

Specific Target Organ Toxicity - Repeated .. Exposure	Specific Target Organ, Repeated Exposure- Category 2. May cause damage to the liver and kidneys through prolonged or repeated exposure.
Aspiration Hazard.....	Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
Chronic Effects.....	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Breathing high concentrations of vapor may cause anesthetic effects and serious health effects.

**Section 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....	May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. This product contains the following substance which may also be hazardous for the environment: . Heptane (CAS#:142-82-5): Toxicity to fish: LC50 1.284 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 0.1 mg/L, 96 hrs; Toxicity to algae: EL50 4.338 mg/L, 72 hrs.
Persistence and degradability .....	The product itself has not been tested.
Bioaccumulation Potential.....	The product itself has not been tested.
Mobility in Soil.....	The product itself has not been tested.
Other Adverse Effects.....	None Known.

**Section 13: DISPOSAL CONSIDERATIONS**

Appropriate Disposal Methods.....	This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.
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**Section 14: TRANSPORT INFORMATION**

TDG (Canada- Road).....	AEROSOLS, Class 2.1, UN1950.
DOT (US-Road).....	AEROSOLS, Class 2.1, UN1950, LTD. QTY. OR ORM-D.
IMDG (International- Marine).....	AEROSOLS, Class 2.1, UN1950.
IATA (International- Air).....	AEROSOLS, Class 2.1, UN1950, LTD QTY.

**Section 15: REGULATORY INFORMATION**

Canada Regulations:.....	WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol. D2B: Material causing other toxic Materials.
Canadian Environmental Protection Act ..... (CEPA)	All ingredients listed appear on the Domestic Substances List (DSL).
US Regulations.....	Environmental Protection Act: Constituents of this product are included on the TSCA inventory.
OSHA.....	This product is considered hazardous under the Federal OSHA hazard communication standard.

**Section 16: OTHER INFORMATION**

Disclaimer.....	The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR. THIS SDS IS VALID FOR THREE YEARS.
Abbreviations.....	ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHIMIS: Workplace Hazardous Materials Information System.
Prepared by .....	Regulatory Affairs
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