

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

PRODUCT NAME: 1<sup>st</sup> Ayd White Lithium Grease #97A  
PRODUCT NUMBER: 67001

CAS NUMBER: Mixture See Section 3.  
PRODUCT FAMILY: Grease

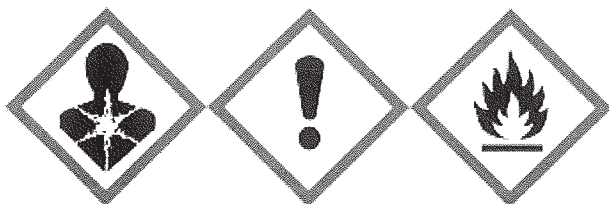
Distributed by: 1st Ayd Corporation  
1325 Gateway Drive  
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Phone: 847-622-0001  
Emergency Response Number: 800-255-3924

NFPA RATING AS AN AEROSOL: Level Three

## SECTION 2: HAZARD IDENTIFICATION

### EMERGENCY OVERVIEW:

**DANGER: EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER MAY BURST IF HEATED. VAPOR HARMFUL. HARMFUL OR FATAL IF SWALLOWED.**



**Major Route(s) of Entry:** ASPIRATION HAZARD. EYES. LUNGS. SKIN.

Acute toxicity -Oral	Category4
Skin corrosion/irritation	Category2
Specific target organ toxicity (single exposure)	Category3
Aspiration toxicity	Category1
Flammable Aerosols	Category1

**Signal Word** Danger

### **Hazard**

**Statements** Harmful  
if swallowed. Harmful in  
contact with skin. Harmful  
if inhaled.

Causes skin irritation.  
May be fatal if swallowed and enters airways.  
May cause drowsiness and dizziness.  
Extremely flammable aerosol.  
Repeated exposure may cause skin dryness or cracking.

### **Precautionary Statements -Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood Use personal  
protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Use only outdoors or in a well-ventilated area Wear  
eye/face protection  
Do not breathe dust/fume/gas/mist/vapors/spray  
Keep away from heat/sparks/open flames/hot surfaces. —No smoking Do not spray on  
an open flame or other ignition source  
Pressurized container: Do not pierce or burn, even after use

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## SECTION 2: HAZARD IDENTIFICATION (CONTINUED)

### Precautionary Statements -Storage

Store locked up  
Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F

### Precautionary Statements -Disposal

Dispose of contents/container to an approved waste disposal plant

#### OSHA Health Hazard Classification

Irritant NO    Toxic NO  
Sensitizer NO    Highly toxic NO  
Corrosive NO    Carcinogenic NO

#### OSHA Physical Hazard Classification

Combustible NO    Explosive NO    Pyrophoric NO  
Flammable YES    Oxidizer NO    Water-Reactive NO  
Compressed Gas YES    Organic Peroxide NO    Unstable NO

## SECTION 3: COMPOSITION

### HAZARDOUS COMPONENTS

	%	CAS NO
Heptane	35-40	64742-49-0
Hydroxyl Containing Saturated Fatty Acids	<4	Mixture
Petroleum distillates, hydrotreated heavy naphthenic	<15	64742-52-5
Petroleum distillates, hydrotreated heavy paraffinic	<15	64741-88-4
Titanium dioxide	<8	13463-67-7
Propane	10-15	74-98-6

Abbreviations

NE: None established    N/A: Not applicable    \*: ACGIH "STEL" Guidelines    ND: Not Determined    STEL: Short Term Exposure Limits

## SECTION 4: FIRST AID MEASURES

Take proper precautions to ensure your own health and safety before attempting rescue or providing first aid.  
For more specific information, refer to Exposure Controls and Personal Protection in Section 8 of this MSDS.

### Precautionary Statements -Response

If exposed or concerned: Get medical advice/attention

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

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/poison center if you feel unwell

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting.  
Rinse mouth

## SECTION 5: FIRE FIGHTING MEASURES

NFPA Flammability Classification: LEVEL 3 Aerosol

FLASH POINT: Not Determined    FLAMMABLE LIMITS: UEL 9.5 %    LEL 1.2 %

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## SECTION 5: FIRE FIGHTING MEASURES (continued)

**EXTINGUISHING MEDIUM:** AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

**SPECIAL FIREFIGHTING PROCEDURES:** Wear self-contained breathing apparatus when fighting fires containing or around this product. Shut off all sources of ignition, if possible. Do not use water jet. Keep exposed containers cool with water spray to prevent rupture. Evacuate all non-trained personnel. Wear full protective clothing, including helmet. Ventilate area. Contain spill and dike, if possible. For leaks or spills water spray can be used to disperse any flammable vapors that may become concentrated or form in poorly ventilated areas and to protect personnel attempting to stop the leak.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Firefighters should wear SCBA's in a positive pressure mode with full face shield. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground from handling site. Eliminate all sources of ignition. Never use welding or cutting torch on or near this product because even just residue can ignite explosively.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Take proper precautions to ensure your own health and safety before attempting spill control or clean-up.**

Ventilate area-especially low places where heavy vapors might collect. Extinguish all ignition sources. For small spills/leaks mop, wipe, or soak up on an inorganic material immediately. Remove to vent hood or outside. For large spills/leaks evacuate area, contain spill (dike area), and transfer contained liquid to a DOT approved container for disposal. Keep out of water supply. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment.

## SECTION 7: HANDLING AND STORAGE

Store in tightly sealed containers. Keep away from heat, sparks & open flame. Do not get in eyes, on skin or clothing. Do not breathe vapor, mist or gas. Do not store or transfer to an unmarked container. Do not throw empty containers in trash compactor. Do not store in direct sun. Store containers below 120°F. Read label before using.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Control airborne concentrations below the exposure limits see below. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.

**PERSONAL PROTECTIVE EQUIPEMNT:** Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. Minimum requirements are: SAFETY GLASSES and GLOVES.

**RESPIRATORY PROTECTION (SPECIFY TYPE):** If workplace exposure limit(s) of product or any component is exceeded (see Section two), a NIOSH approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

**HAND PROTECTION:** For brief contact, no precautions should be needed. When prolonged or frequently repeated contact could occur, use protective gloves such as; polyvinyl alcohol or polyethylene.

**EYE PROTECTION:** Chemical splash goggles in compliance with OSHA regulations are advised; OSHA regulations also permit other type of safety glasses (consult your safety equipment supplier)

**BODY PROTECTION:** To prevent repeated or prolonged skin contact, use protective clothing impervious to this product. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

### OCCUPATIONAL EXPOSURE GUIDELINES:

#### HAZARDOUS COMPONENTS

	OSHA PEL	ACGIH
Heptane	400 ppm	400 ppm
Petroleum Distillates heavy hydrotreated naphthenic	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Petroleum Distillates heavy hydrotreated paraffinic	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Propane	1000 ppm	NE

Abbreviations

NE: None established N/A: Not applicable \*: ACGIH "STEL" Guidelines ND: Not Determined STEL: Short Term Exposure Limits

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid	COLOR: White	ODOR: Tallow
SPECIFIC GRAVITY: 0.75-0.85 (Water =1)	pH: N/A	VAPOR DENSITY (Air =1): Heavier Than
VAPOR PRESSURE (mmHg or psig @70°F): 50-70 psig		VISCOSITY (cps @ 70°F) N/D
SOLUBILITY IN WATER % BY WT.: Insoluble		MELTING POINT /FREEZING POINT: N/D
VOLATILE ORGANIC COMPOUNDS (VOCs) Content: 58%		BOILING POINT RANGE: N/D

## SECTION 10: STABILITY AND REACTIVITY

**STABILITY:** Stable, avoid open flames, welding arcs or other high temperature sources which induce thermal decomposition and direct sunlight.

**INCOMPATIBILITY:** Avoid contact with strong acids, strong bases, and strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, and carbon monoxide.

**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

##### Eye Contact

Mild eye irritation.

##### Skin Contact

Causes skin irritation. Harmful if prolonged contact with skin occurs.

##### Inhalation

Harmful if inhaled.

##### Ingestion

Harmful if swallowed.

### Component Information

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Petroleum distillates Hydrotreated heavy naphthenic	> 5,000 rat	5,000 rabbit	No information
Petroleum distillates Hydrotreated heavy paraffinic	> 2,000 rat	> 2,000 rabbit	No information
Titanium Dioxide	10,000 rat	No information	No information
Heptane	No information	No information	No information
Propane	No information	No information	658 mg/l/4h rat

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Carcinogenicity

Not classifiable as a human carcinogen

#### Reproductive toxicity

No information.

#### Aspiration hazard

May be fatal if swallowed and enters airways.



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## SECTION 12: ECOLOGICAL INFORMATION

No ecological studies have been conducted on this product.

ECOTOXICITY: If spilled this any water or soil contaminated may be hazardous to human, animal and aquatic life.

ENVIRONMENTAL FATE: The chemicals in this product are potentially toxic to freshwater and salt water ecosystems. They will normally float on water with their lighter components evaporating rapidly. In stagnant or slow-flowing waterways, a hydrocarbon layer can cover a large surface area. As a result this layer might limit or eliminate natural atmospheric oxygen transport into the water. Which with time could lead to a fish kill or an anaerobic environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

Hazard characteristics and regulatory waste stream classification can change with product use. It is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

When disposing of unused contents, the preferred options are to send to licensed reclaimers or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local laws and regulations. Do not dump into sewers, on the ground, or into any body of water.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable)

## SECTION 14: TRANSPORT INFORMATION

DOT STATUS: This material is regulated by the U.S. Department of Transportation (DOT).

PROPER SHIPPING NAME: (to ship on the ocean):

**UN1950, AEROSOLS, FLAMMABLE (each not exceeding 1L capacity), 2.1, LTD. QTY**

HAZARD CLASS: 2.1

PACKING GROUPS: None for aerosols

PLACARDS: None Required

EMERGENCY RESPONSE GUIDE NO: 126

## SECTION 15: REGULATORY INFORMATION

### 311/312 HAZARD CATEGORIES:

Fire Hazard: YES Pressure Hazard: YES Reactivity Hazard: NO Immediate Hazard: YES Delayed Hazard: NO

### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:

CHEMICAL	CAS NUMBER	CONCENTRATION %
None Listed.		

**FEDERAL EPA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)** requires the notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (rqs) in 40 CFR 302.4.

CHEMICAL	CAS NUMBER	CONCENTRATION % UPPER BOUND	RQs IN #
None Listed.			

**CALIFORNIA PROPOSITION 65** None listed

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## SECTION 15: REGULATORY INFORMATION (continued)

MASSACHUSETTS RIGHT TO KNOW: Yes

PENNSYLVANIA RIGHT TO KNOW: Yes

NEWJERSEY RIGHT TO KNOW: Yes

Heptane	64742-49-0	35-40
Titanium Dioxide	13463-67-7	<8
Propane	74-98-6	10-15

CALIFORNIA VOC'S: N/A

NFPA RATING AS AN AEROSOL: Level Three

## SECTION 16: OTHER INFORMATION

### REVISION INFORMATION

VERSION NUMBER:1.0001

REVISION DATE: 6/16/2015

PRINT DATE:

### ABBREVIATIONS:

N/A: Not Applicable

N/D: Not Determined

NE: Not Established

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

HMS: Hazardous Materials Information System

NFPA: National Fire Protection Association

EPA: US Environmental Protection Agency NIOSH: National Institute of Occupational Safety

and Health

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