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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** 195DA WHITE LITHIUM GREASE 10.75OZ AE  
**Item No:** 81981  
**Product Type:** Aerosol lubricant

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	ACGIH TLV:	OSHA PEL:
TETRACHLOROETHYLENE 127-18-4	40-70	25 ppm TWA; 170 mg/m <sup>3</sup> TWA	100 ppm TWA; C 200 ppm
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	15-40	1000 ppm TWA	Not Listed
DISTILLATES (PETROLEUM), SOLVENT-REFINED HEAVY NAPHTHENIC 64741-96-4	10-30	Not Listed	Not Listed
ZINC OXIDE 1314-13-2	0.1-1.0	2 mg/m <sup>3</sup> (inhal) TWA; 10 mg/m <sup>3</sup> (respir) STEL	5 mg/m <sup>3</sup> (fume & respir) TWA; 15 mg/m <sup>3</sup> (total dust) TWA
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	10 mg/m <sup>3</sup> TWA ACGIH	15 mg/m <sup>3</sup> TWA (total dust)

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause nervous system depression. Excessive inhalation causes headache, dizziness, nausea, and incoordination. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss. Aspiration hazard if swallowed. May cause severe eye irritation. Prolonged exposure may cause liver and kidney effects and may affect the central nervous system..

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation

**Signs and Symptoms of Exposure:** Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. May cause redness to eyes and irritation to nasal passages.

Ingredient	Weight Percent	NTP	ACGIH Carcinogens	IARC
TETRACHLOROETHYLENE 127-18-4	40-70	Group 2	A3-animal carcinogen	Group 2A Monograph 63; 1995
TITANIUM DIOXIDE 13463-67-7	0.1-1.0	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989

**Medical Conditions Recognized as Being Aggravated by Exposure:** Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected.

### 4. FIRST AID MEASURES

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person. Do not give drugs from adrenaline-ephedrine group.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

**Skin Contact:** Wash off with soap and water. If skin irritation persists, call a physician.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** Less than 0 degrees F. Based on propellant

**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.

## **5. FIRE FIGHTING MEASURES**

### **Special Fire-Fighting Procedures:**

Firefighters should wear self-contained breathing apparatus. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool. Irritating vapors, Chlorine, Hydrogen chloride, Phosgene  
Contents under pressure. Exposure to temperatures over 120 degrees F. may cause bursting or venting. Use equipment or shielding to protect personnel from bursting containers.

### **Hazardous Products of Combustion:**

### **Unusual Fire/Explosion Hazards:**

**Lower Explosive Limit:**

1.8

**Upper Explosive Limit:**

9.5

## **6. ACCIDENTAL RELEASE MEASURES**

### **Spill Procedures:**

Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

## **7. HANDLING AND STORAGE**

### **Storage:**

Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F. Exposure to high temperatures may cause container to burst.

### **Handling:**

Do not use near heat, sparks or open flame. Vapors may accumulate readily and may ignite explosively. Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Use only in a well ventilated area. Extinguish all flames, pilot lights and heaters. Turn off stoves, electric tools and appliances, and other sources of ignition. Do not puncture or incinerate container. Intentionally concentrating and inhaling the vapor may be harmful or fatal.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Eyes:**

Safety glasses

### **Skin:**

Rubber or plastic gloves.

### **Ventilation:**

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

### **Respiratory Protection:**

An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Appearance:**

White liquid

### **Odor:**

ETHER-LIKE

### **Boiling Point:**

>100 degrees F.

### **pH:**

Does not apply

### **Solubility in Water:**

Insoluble

### **Specific Gravity:**

1.5-1.7

### **VOC Content(Wt.%):**

24.8% by weight

### **Vapor Pressure:**

65-75 psig

### **Vapor Density (Air=1):**

>1 (air = 1)

### **Evaporation Rate:**

Faster than ether

## **10. STABILITY AND REACTIVITY**

### **Chemical Stability:**

Stable at normal conditions

### **Hazardous Polymerization:**

WILL NOT OCCUR.

### **Incompatibilities:**

Strong oxidizers, Barium.

### **Conditions to Avoid:**

Heat

### **Hazardous Products of Combustion:**

Irritating vapors, Chlorine, Hydrogen chloride, Phosgene

## **11. TOXICOLOGICAL INFORMATION**

See Section 3

## **12. ECOLOGICAL INFORMATION**

No data available

**Product Name:** 195DA WHITE LITHIUM GREASE  
10.75OZ AE

**Item No:** 81981

### **13. DISPOSAL CONSIDERATIONS**

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations. This container may be recycled in aerosol recycling centers. Before offering for recycling, empty the can by using the product according to the label. If recycling is not available, wrap the container and discard in the trash.

**US EPA Waste Number:** D001 as per 40CFR 261.21 D039/F002 - A TCLP waste per 40CFR 261.64: tetrachloroethylene

### **14. TRANSPORTATION INFORMATION**

**DOT (49CFR 172)**

#### **Domestic Ground Transport**

**DOT Shipping Name:** CONSUMER COMMODITY  
**Hazard Class:** ORM-D  
**UN/ID Number:** None  
**Marine Pollutant:** Tetrachloroethylene

#### **IATA**

**Proper Shipping Name:** Aerosols, flammable, containing substances in Division 6.1, Packing Group III  
**Class or Division:** Division 2.1, Subsidiary Risk 6.1  
**UN/NA Number:** UN 1950

#### **IMDG**

**Proper Shipping:** Aerosols, (Tetrachloroethylene), Marine Pollutant, Limited Quantity  
**Hazard Class:** Class 2, 6.1  
**UN Number:** UN 1950

### **15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

TETRACHLOROETHYLENE

#### **CALIFORNIA PROP 65:**

**WARNING:** This product contains a chemical known to the State of California to cause cancer.

#### **TSCA Inventory Status:**

**Listed on Inventory:** YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

### **16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 3, REACTIVITY 1

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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