This brief provides a general overview of the **Safety Data Sheet** requirements in the Hazard Communication Standard OSHA's 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200).

Section 1 ~ Identification

Identity (As Used On Label and List)	**Date Prepared:**
A1127 LITHO WHITE GREASE	10-18-2015
Company Information: OMEGA INDUSTRIAL SUPPLY, INC	**Emergency Telephone Number:** 1-800-424-9300
Address (Number, Street, Suite/Apt#) 101 Grobric Ct #1	**Telephone Number for Information:** 1-800-571-7347
(City, State, and Zip Code) Fairfield, CA 94534	**Signature of Prepare (Optional)** REGULATORY DEPT.

Section 2 ~ Hazard(s) Identification

Physical Hazards	Flammable aerosols	Category 1
Health Hazards	Reproductive toxicity (the unborn child)	Category 2
	Aspiration hazard	Category 1
OSHA Defined Hazards	Not classified.	

Label Elements  ***Signal Word:*** Danger.

Hazard Statement Extremely flammable aerosol. May be fatal if swallowed and enters airways. Suspected of damaging the unborn child. Toxic to aquatic life. Toxic to aquatic life with long lasting effects. The mixture does not meet the criteria for classification.

Precautionary Statement

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response If swallowed: Immediately call a poison center/doctor. If exposed or concerned: Get medical advice/attention. Do NOT induce vomiting. Collect spillage.

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

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not Otherwise Classified (HNOC) None known. ***Supplemental Information*** None

Section 3 ~ Composition/Information on Ingredients

Chemical Name **Common Name & Synonyms**	**CAS No.**	**%(Wt.)**
Distillates (Petroleum), Hydrotreated Light	64742-47-8	20 – 40
Propane	74-98-6	10 – 20
Heptane, branched, cyclic and linear	426260-76-6	2.5 – 10
n-Heptane	142-82-5	2.5 – 10
Zinc Oxide	1314-13-2	1 – 2.5
Toluene	108-88-3	0.1 – 1
Other components below reportable levels		40 – 60

#: This substance has workplace exposure limit(s).
*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.
Composition Comments: The full text for all R-phrases is displayed in Section 16 of the SDS.

Section 4 ~ First Aid Measures

Inhalation: If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.
Skin Contact: Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye Contact: Rinse with water. Get medical attention if irritation develops and persists.
Ingestion: Rinse mouth. Get medical attention if symptoms occur.
Most Important Symptoms/Effects, Acute and Delayed: Aspiration may cause pulmonary edema and pneumonitis.
Indication of Immediate Medical Attention and Special Treatment Needed: Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General Information: IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Section 5 ~ Fire Fighting Measures

Suitable Extinguishing Media: Powder. Alcohol resistant foam. Dry chemicals. Carbon dioxide (CO2).
Unsuitable Extinguishing Media: Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from The Chemical: Contents under pressure. Pressurized container may explode when exposed to heat or flame. Fire may produce irritating, corrosive and/or toxic gases.
Special Protective Equipment and Precautions for Firefighters: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.
Fire-Fighting Equipment/Instructions: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. Cool containers exposed to heat with water spray and remove container, if no risk is involved. Containers should be cooled 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. Some of these materials, if spilled, may evaporate leaving a flammable residue.
Specific Methods: Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
General Fire Hazards: Extremely flammable aerosol.

Section 6 ~ Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and Materials for Containment and Cleaning Up: Refer to attached safety data sheets and/or instructions for use. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent product from entering drains. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. This material and its container must be disposed of as hazardous waste.
Environmental Precautions: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Section 7 ~ Handling and Storage

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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 cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. Should be handled in closed systems, if possible. Pregnant or breastfeeding

women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for Safe Storage, Including Any Incompatibilities: Level 2 Aerosol. 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. This material can accumulate static charge which may cause spark and become an ignition source. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 2 Aerosol.

Section 8 ~ Exposure Controls/Personal Protection

Occupational Exposure Limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	*Type*	*Value*	*Form*
n-Heptane (142-82-5)	PEL	2000 mg/m3	
		500 ppm	
Propane (74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
Zinc Oxide (1314-13-2)	PEL	5 mg/m3	Fume.
		5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	*Type*	*Value*	*Form*
Toluene (108-88-3)	Ceiling	300 ppm	
	TWA	200 ppm	

US. ACGIH Threshold Limit Values

Components	*Type*	*Value*	*Form*
n-Heptane (142-82-5)	STEL	500 ppm	
	TWA	400 ppm	
Toluene (108-88-3)	TWA	20 ppm	
Zinc Oxide (1314-13-2)	STEL	10 mg/m3	Respirable fraction.
	TWA	2 mg/m3	Respirable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	*Type*	*Value*	*Form*
n-Heptane (142-82-5)	Ceiling	1800 mg/m3	
		440 ppm	
	TWA	350 mg/m3	
		85 ppm	
Propane (74-98-6)	TWA	1800 mg/m3	
		1000 ppm	
Toluene (108-88-3)	STEL	560 mg/m3	
		150 ppm	
	TWA	375 mg/m3	
		100 ppm	
Zinc Oxide (1314-13-2)	Ceiling	15 mg/m3	Dust.
	STEL	10 mg/m3	Fume.
	TWA	5 mg/m3	Fume.
		5 mg/m3	Dust.

Biological limit values

ACGIH Biological Exposure Indices

Components	*Value*	*Determinant*	*Specimen*	*Sampling Time*
Toluene (108-88-3)	0.3 mg/g	o-Cresol, with hydrolysis	Creatinine in urine	*
	0.03mg/l	Toluene	Urine	*
	0.02 mg/l	Toluene	Blood	*

* - For sampling details, please see the source document.

Exposure Guidelines

US - California OELs: Skin designation: Toluene (108-88-3) Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies: Toluene (108-88-3) Skin designation applies.

Appropriate Engineering Controls: Not available.

Individual Protection Measures, Such as Personal Protective Equipment

Eye/Face Protection: Chemical goggles are recommended.

Skin Protection

Hand Protection: Wear appropriate chemical resistant gloves.

Other: Use of an impervious apron is recommended.

Respiratory Protection: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.

General Hygiene Considerations: When using, do not eat, drink or smoke. Do not get in eyes. Do not get this material in contact with skin. 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 9 ~ Physical and Chemical Properties

Appearance
Physical State: Liquid.
Form: Aerosol.
Color: Not available.
Odor: Not available.
Odor Threshold: Not available.
pH: Not available.
Melting Point/Freezing Point: Not available.
Initial Boiling Point and Boiling Range: 209.3°F (98.5°C) estimated
Flash Point: -156.0 °F (-104.4 °C) Propellant estimated

Evaporation Rate: Not available.
Flammability (solid, gas): Not available.
Upper/Lower Flammability or Explosive Limits
Flammability Limit – Lower (%): 0.5 % estimated
Flammability Limit – Upper (%): Not available.
Explosive Limit - Lower (%): Not available.
Explosive Limit - Upper (%): Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Relative Density: Not available.

Solubility(ies)
Solubility (water): Not available.
Partition Coefficient (n-octanol/water): Not available.
Auto-Ignition Temperature: 421 °F (216.11 °C) estimated
Decomposition Temperature: Not available.
Viscosity: Not available.
Other Information
Heat of Combustion (NFPA 30B): 24.04 kJ/g estimated
Specific Gravity: 0.511 estimated

Section 10 ~ Stability and Reactivity

Reactivity: The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability: Risk of explosion.
Possibility of Hazardous Reactions: Hazardous polymerization does not occur.
Conditions to Avoid: Heat, flames and sparks. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: No hazardous decomposition products are known.

Section 11 ~ Toxicological Information

Information on Likely Routes of Exposure
Inhalation: Narcotic effects.
Skin Contact: No adverse effects due to skin contact are expected.
Eye Contact: Direct contact with eyes may cause temporary irritation.
Ingestion: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
Symptoms Related to the Physical, Chemical and Toxicological Characteristics: Aspiration may cause pulmonary edema and pneumonitis.

Information on Toxicological Effects
Acute Toxicity: May be fatal if swallowed and enters airways. Harmful if inhaled.

Components	*Species*	*Test Results*
Distillates (Petroleum), Hydrotreated Light (64742-47-8)		
Acute		
Dermal LD50	Rabbit	>2000 mg/kg
		>2000 mg/kg, 24 Hours
Inhalation LC50	Rat	>7.5 mg/l, 6 Hours
		>4.6 mg/l, 4 Hours
Oral LD50	Rat	>5000 mg/kg
n-Heptane (142-82-5)		
Acute		
Dermal LD50	Rabbit	>2000 mg/kg, 24 Hours
Inhalation LC50	Rat	> 29.29 mg/l, 4 Hours
Oral LD50	Rat	>5000 mg/kg
Propane (74-98-6)		
Acute		
Inhalation LC50	Mouse	1237 mg/l, 120 Minutes
		52%, 120 Minutes
	Rat	1355 mg/l
		658 mg/l/4h
Toluene (108-88-3)		
Acute		
Dermal LD50	Rabbit	>5000 mg/kg, 24 Hours
Inhalation LC50	Mouse	6405 – 7436 ppm, 6 Hours
		5320 ppm, 8 Hours
	Rat	5879 – 6281 ppm, 6 Hours
		25.7 mg/l, 4 Hours
Oral LD50	Rat	>5000 mg/kg
Zinc Oxide (1314-13-2)		
Acute		
Dermal LD50	Rat	>2000 mg/kg, 24 Hours
Inhalation LC50	Rat	>5700 mg/m3
Oral LD50	Mouse	>5000 mg/kg
	Rat	>5000 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation.
Serious Eye Damage/Eye Irritation: Direct contact with eyes may cause temporary irritation.
Respiratory or Skin Sensitization
Respiratory Sensitization: Not available.
Skin Sensitization: This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
IARC Monographs. Overall Evaluation of Carcinogenicity: Toluene (108-88-3) 3 Not classifiable as to carcinogenicity to humans.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.
US. National Toxicology Program (NTP) Report on Carcinogens: Not available.
Reproductive Toxicity: Suspected of damaging fertility or the unborn child.
Specific Target Organ Toxicity - Single Exposure: Not classified. **Specific Target Organ Toxicity - Repeated Exposure:** Not classified.
Aspiration Hazard: May be fatal if swallowed and enters airways.

Section 12 ~ Ecological Information

Ecotoxicity: Toxic to aquatic life with long lasting effects.

Product		**Species**	**Test Results**
Litho White Grease			
Aquatic			
Algae	IC50	Algae	50256 mg/L, 72 Hours
Crustacea	EC50	Daphnia	2478 mg/L, 48 Hours
Fish	LC50	Fish	134 mg/L, 96 Hours

Components		**Species**	**Test Results**
Distillates (petroleum), Hydrotreated Light (64742-47-8)			
Aquatic			
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	2.9 mg/l, 96 hours
n-Heptane (142-82-5)			
Aquatic			
Fish	LC50	Mozambique tilapia (Tilapia mossambica)	375 mg/l, 96 hours
Toluene (108-88-3)			
Aquatic			
Algae	IC50	Algae	433.0001 mg/L, 72 Hours
Crustacea	EC50	Daphnia	7.645 mg/L, 48 Hours
		Water flea (Daphnia magna)	5.46 – 9.83 mg/l, 48 hours
Fish	LC50	Coho salmon,silver salmon (Oncorhynchus kisutch)	8.11 mg/l, 96 hours
Zinc Oxide (1314-13-2)			
Aquatic			
Fish	LC50	Fathead minnow (pimephales promelas)	2246 mg/l, 96 hours

* Estimates for product may be based on additional component data not shown.
Persistence and Degradability: No data is available on the degradability of this product.
Bioaccumulative Potential: No data available.
Partition coefficient n-octanol / water (log Kow): n-Heptane 4.66 Propane 2.36 Toluene 2.73
Mobility in Soil: No data available.
Other Adverse Effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13 ~ Disposal Considerations

Disposal Instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local Disposal Regulations: Dispose in accordance with all applicable regulations.
Hazardous Waste Code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from Residues / Unused Products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

Section 14 ~ Transportation Information

DOT	IATA	IMDG
UN Number: UN1950	**UN Number:** UN1950	**UN Number:** UN1950
UN Proper Shipping Name: Aerosols, flammable, (each not exceeding 1 L capacity)	**UN Proper Shipping Name:** Aerosols, flammable	**UN Proper Shipping Name:** AEROSOLS
Transport Hazard Class(es)	**Transport Hazard Class(es)**	**Transport Hazard Class(es)**
Class: 2.1	**Class:** 2.1	**Class:** 2.1
Subsidiary Risk -	**Subsidiary Risk** -	**Subsidiary Risk** -
Label(s): 2.1	**Label(s):** 2.1	**Label(s):** 2.1
Packing Group: Not applicable.	**Packing Group:** Not applicable.	**Packing Group:** Not applicable.
Special Provisions: N82	**Environmental Hazards:** Yes	**Environmental Hazards**
Packaging Exceptions: 306	**ERG Code:** 10L	**Marine Pollutant:** Yes
Packaging Non Bulk: None	**Other Information**	**EmS:** F-D, S-U
Packaging Bulk: None	**Passenger and Cargo Aircraft:** Allowed with restrictions.	**Packaging Exceptions:** LTD QTY
	Cargo Aircraft Only: Allowed with restrictions.	**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.
	Packaging Exceptions: LTD QTY	

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

Special precautions for user: Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.

DOT

IATA;IMDG

Marine Pollutant

General Information: DOT Regulated Marine Pollutant. IMDG Regulated Marine Pollutant.

Section 15 ~ Regulatory Information

US Federal Regulations: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List. CERCLA/SARA Hazardous Substances - Not applicable.
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4): Toluene (108-88-3) Listed.
SARA 304 Emergency Release Notification: Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)
Hazard Categories: Immediate Hazard – Yes Delayed Hazard – Yes Fire Hazard – Yes Pressure Hazard – No Reactivity Hazard – No
SARA 302 Extremely Hazardous Substance: Not listed.
SARA 311/312 Hazardous Chemical: No
SARA 313 (TRI reporting)

Chemical Name	CAS number	% by wt.
Toluene	108-88-3	0.1 – 1

Other Federal Regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Toluene (108-88-3)
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Propane (74-98-6)
Safe Drinking Water Act (SDWA): Not regulated.
Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number: Toluene (108-88-3) 6594
Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c)): Toluene (108-88-3) 35 %WV
DEA Exempt Chemical Mixtures Code Number: Toluene (108-88-3) 594
US State Regulations
US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100): Not listed.
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)): Toluene (108-88-3)

US. Massachusetts RTK - Substance List	US. New Jersey Worker and Community Right-to-Know Act	US. Pennsylvania Worker and Community Right-to-Know Law	US. Rhode Island RTK
n-Heptane (142-82-5)	n-Heptane (142-82-5)	n-Heptane (142-82-5)	Propane (74-98-6)
Propane (74-98-6)	Propane (74-98-6)	Propane (74-98-6)	Toluene (108-88-3)
Toluene (108-88-3)	Toluene (108-88-3)	Toluene (108-88-3)	
Zinc Oxide (1314-13-2)	Zinc Oxide (1314-13-2)	Zinc Oxide (1314-13-2)	

US. California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
US - California Proposition 65 - CRT: Listed date/Developmental toxin: Toluene (108-88-3) Listed: January 1, 1991

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no) *
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 ~ Other Information

	NFPA	HMIS
HEALTH	2	2*
FLAMMABILITY	4	4
REACTIVITY	0	0
OTHER/PROTECTION	-	-

Key
4= Severe
3= Serious
2= Moderate
1= Slight
0= Minimal