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## SAFETY DATA SHEET

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### SECTION 1-

### SUPPLIER AND OTHER INFORMATION

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**PRODUCT NAME** : **SENT-CLP E**  
**MILITARY SPECIFICATION** : **MIL-PRF-63460E (4)**  
**Product Use** : **LUBRICANT**  
**QPL Number** : **AR-87-09**  
**Chemical Family** : **SYNTHETIC AND PETROLEUM BASE**  
**Product Description** : **LUBRICANT, CLEANER AND PRESERVATIVE FOR WEAPONS AND WEAPONS SYSTEM**

### COMPANY IDENTIFICATION

**MANUFACTURER:**  
**OTIS PRODUCTS, INC.**  
PO Box 582  
6987 Laura St.  
Lyons Falls, NY 13368

**SUPPLIER:**  
**OTIS PRODUCTS, INC.**  
PO Box 582  
6987 Laura St.  
Lyons Falls, NY 13368

**TELEPHONE NUMBERS**

Supplier General Contact : 315-348-4300

24-hour Environmental / Health Emergency

Emergency Telephone Number (CHEMTREC) : 1-800-424-9300 (U.S.A.)  
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### SECTION 2 -

### HAZARDS IDENTIFICATION

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According to Regulation 2012 OSHA Hazard Communication Standard, 29CFR Part 1910.1200

Classification of the product

Aspiration hazard : 1  
Reproductive toxicity : 2 (Fertility)  
Reproductive toxicity : 2B ( unborn child)  
Aquatic Acute : 2  
Aquatic Chronic : 2

#### Label elements

#### PICTOGRAMS



**Signal word: WARNING**

**Hazard statement**

- H 304 May be fatal if swallowed and entering airways.
- H 360 May cause damage to the unborn child, suspected of damaging fertility.
- H 400 Toxic to aquatic life.
- H 410 Toxic to aquatic life with long lasting effect.

**Precautionary Statement (Precaution)**

- P 273 Avoid release to the environment.
- P 280 Wear protective gloves.
- P 264 Wash thoroughly with soap & water after handling.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses. If present and easy to do so. Continue rinsing.
- P310 Immediately call POISON CONTROL CENTER or a Doctor.
- P303 + P352 If on skin (or hair) wash with plenty of soap & water.
- P362 + P364 Take off contaminated clothing and wash before reuse.

Precautionary Statement (Disposal):

- P501 Dispose of contents/container to hazardous or special waste collection point.

**Hazardous not otherwise classified.**

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazard of the substance or mixture.

Labelling of special precautions (GHS):

May produce an allergic reaction. Naphthylamine derivative. Acetic acid, 2-(4-nonylphenoxy), aromatic methanamine.

**According to regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

**Emergency overview**

**WARNING:**

- IRRITANT LIQUID.
- IRRITANT TO SKIN AND/OR EYES.
- Harmful if swallowed.
- May cause harm to reproductive system.
- Avoid contact with skin or eyes.

**Classification System:**

NFPA rating (scale 0-4)

Hazardous Material Information System (HMIS-U.S.A.)

Workplace Hazardous Material Information (WHMIS-Canada)

**HAZARD RATINGS**
**4- Extreme**
**3- Serious**
**2- Moderate**
**1- Slight**
**0- Minimal**

<b>Health</b>	<b>1</b>
<b>Flammability</b>	<b>1</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

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**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**


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<b><u>COMPONENTS</u></b>	<b><u>CAS #</u></b>	<b><u>% by weight</u></b>	<b><u>LC<sub>50</sub>/LD<sub>50</sub></u></b>	<b><u>Exposure Limits</u></b>
1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated	68649-12-7	> 60	<b><u>LD<sub>50</sub></u></b> 2000 mg/kg (oral – rat)	TWA/OSHA Z-1 : 5 mg/m <sup>3</sup> TWA/OSHA PO : 5 mg/m <sup>3</sup> TWA/NIOSH REL: 5 mg/m <sup>3</sup> ST/NIOSH REL : 10 mg/m <sup>3</sup>
Distillates (Petroleum), hydrotreated light naphthenic	64742-53-6	≥10 - <20	N.Av.	TWA/OSHA Z-1 : 5 mg/m <sup>3</sup> TWA/ACGIH : 5 mg/m <sup>3</sup> TWA/OSHA PO : 5 mg/m <sup>3</sup> TWA/NIOSH REL: 5 mg/m <sup>3</sup> ST/NIOSH REL : 10 mg/m <sup>3</sup>
Calcium dinonyl naphthalene sulfonate	57855-77-3	<15	2500 mg/kg (oral, rat)	TWA/OSHA : 9000 mg/l
Hexyl carbitol	112-59-4	<10	3,487 mg/kg (ingestion)	TWA/AIHA WEEL: 10 mg/m <sup>3</sup>
Acrylic co-polymer in neutral oil	Confidential 	<5	N.A.	OEL-STEL: 10 mg/m <sup>3</sup>
Anti-oxidant, corrosion inhibitor & metal deactivator	Mixture	0.21	2000 mg/kg (oral, rat)	N.A.

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## **SECTION 4 – FIRST AID MEASURES**

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**Eyes Contact:** Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

**Skin Contact:** Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Inhalation:** Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapour of hot product, immediately remove from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties, oxygen may be necessary. Get medical attention if any discomfort continues.

**Ingestion:** DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention immediately.

**Other Instructions:** Remove and dry-clean clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering.

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## **SECTION 5 – FIRE FIGHTING MEASURES**

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**Ignition Temperature:** Not determined

**Flash Point:** >100°C (>212°F)

**Flammable Limits (%):** Lower and Upper not determined

**Recommended Fire Extinguishing Agents & Special Procedures:** Water spray, dry chemical, sand, dolomite, carbon dioxide, alcohol resistant foam, fog or mist. Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

**Unusual or Explosive Hazards:** Empty containers retain residue that can be dangerous. Exposure to heat builds up pressure in closed containers. Cool with water spray. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heating sources (flame, sparks, etc.), they may explode and cause injury.

**Special Protective Equipment for Firefighters:** Do not enter confined fire space without full protective gear and self-contained breathing equipment.

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## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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**Steps to be Taken in Case Material is Released or Spilled:** Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations. Keep all sources of ignition and hot metal surfaces away from spill. Place leaking containers in well ventilated area. **LARGE SPILLS:** Contain spill. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with Sentinel's absorbent or any other inert material such as clay and sand. **SMALL SPILLS:** Soak up with Sentinel's absorbent or any other inert material and place in containers for proper disposal.

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**SECTION 7 – HANDLING AND STORAGE**

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**Handling:** Handle with care as per recommendation. Wash at the end of each work shift and before eating, smoking and using the toilet. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Do not reuse container. Keep lid closed when not in use.

**Storage:** Store in a cool, dry and well ventilated area away from acids and oxidizers and source of ignition.

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**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Protective Equipment (Type)**

**Eye/Face Protection:** Wear splash-proof eye goggles to prevent any possibility of eye contact.

**Skin Protection:** Chemical resistant gloves recommended to prevent prolonged or repeated contact.

**Respiratory Protection:** No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists and inadequate ventilation.

**Ventilation:** Adequate ventilation as required to control vapour concentrations.

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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**Specific Gravity (H<sub>2</sub>O=1):** 0.855 @15.56°C

**Density :** 855 g/cm<sup>3</sup>

**Vapor Pressure (mmHg):** N.Av.

**Viscosity @ 40°C:** 14 cSt min.

**Vapor Density (Air = 1) :** N.Av.

**Evaporation Rate :** Slower than BU/AC

**Solubility in Water :** Negligible

**Appearance and Odour:** Dark amber liquid, mild solvent odour

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**SECTION 10 – STABILITY AND REACTIVITY**

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**Stability:** Stable under normal conditions of use and storage.

**Conditions to Avoid:** Avoid contact with acids and oxidizing substances

**Incompatibility (material to avoid):** Strong Oxidizers

**Hazardous Decomposition Products:** Thermal decomposition products are highly dependent on the combustion conditions. A complex mixture of airborne solid, liquid, particulates and gases will evolve when this material undergoes pyrolysis or combustion. Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

**Hazardous Polymerization:** Will not occur.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

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**Toxicological Information (Animal Toxicity Data):** No experimental toxicological data on the preparation as such is available.

**Median Lethal Dose**

**Oral (LD<sub>50</sub>):** N.Av.

**Inhalation** : N.Av.

**Dermal (LD<sub>50</sub>)** : N.Av.

**Sensitization** : N.Av.

**Other** : None

**Potential Chronic Health Effects:**

**Carcinogenicity / Mutagenicity / Reproductive Toxicity:** No known significant effects

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**SECTION 12 – ENVIRONMENTAL INFORMATION**

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There is no ecological data on the product itself.

**Toxicity to daphnia and other aquatic invertebrates:** 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated: EC50: 190 mg/L, exposure time: 48 h

**Mobility:** N.Av.

**Persistence and Biodegradability:** N.Av.

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

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**Waste Disposal Methods:** Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations.

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**SECTION 14 – TRANSPORT INFORMATION**

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TDG Classification : Not regulated

DOT Classification : Not regulated

IMDG Classification : Not regulated

IATA Classification : Not regulated

ICAO Classification : Not regulated

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## SECTION 15 – REGULATORY INFORMATION

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### UNITED STATES

<b>U.S.TSCA INVENTORY STATUS</b>	:	The components of this product are listed on the EPA/TSCA Inventory
<b>OSHA Hazards</b>	:	None
<b>CERCLA Reportable Quantity</b>	:	None
<b>SARA 302 Reportable Quantity</b>	:	None
<b>SARA 311/312 Hazards</b>	:	None
<b>SARA 304 Components</b>	:	This material does not contain any components with a section 304 EHS RQ. of Chemical Substances.

### **INTERNATIONAL INVENTORY**

The components of this product are reported in the following inventories, or are exempted:

**Canadian DSL, AICS, NZIoC, ENCS, KECI, PICCS, IECSC.**

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## SECTION 16 – OTHER INFORMATION

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### **ABBREVIATIONS EXPLANATION**

EINECS / ELINGS	European Inventory of Existing Commercial Chemical Substances / Liste européenne des substances chimiques notifiées
TSCA	TSCA Inventory / Inventaire du TSCA
AICS	Australia Inventory of Chemical Substances / Inventaire des substances chimiques de l'Australie
DSL / LSD	Domestic Substances List (DSL) / Liste des substances domestiques (LSD)
ENCS	Japan – Existing and New Chemical Substances Inventory / Inventaire des substances chimiques existantes et nouvelles du Japon
KECI	Korea – Korean Existing Chemicals Inventory / Corée – Substances chimiques existantes
PICCS	Philippine Inventory of Chemicals and Chemical Substances / Inventaire des substances chimiques des Philippines
IECSC	China – Inventory of Existing Chemical Substances in China (IECSC)/ Chine – Inventaires des substances chimiques existantes en Chine

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**N.A.: Not Applicable**

**N.Av.: Not Available**