

# SAFETY DATA SHEET



Date issued : 01/04/2023  
 SDS number : 1038  
 Date revised : 08/23/2024  
 Revision number : 2

## Zurngear 2190 TEP

### 1. Identification

**Product identifier:** Zurngear 2190 TEP

**Relevant identified uses:**

This product meets Military Specification MIL-PRF-17331L AMD. 1, Military Symbol 2190TEP, NATO Code O-250. Qualification Number (Qualification Date) Ser 05S/2024-203 August 22, 2024

**National Stock Numbers (NSN):**

9150-01-368-7076 Oblong Gallon  
 9150-01-370-2583 5-Gallon Pails  
 9150-01-368-7075 55-Gallon Drums  
 9150-01-372-6915 Bulk Transport

**Manufacturer / Supplier**

International Chemical Company  
 2628 N Mascher St  
 Philadelphia, PA PA 19133  
 Cage Code 1YQK0

**Customer Service:** (215) 739-2313

**E-Mail:** info@e-icc.com

**Web:** www.e-icc.com

**Emergency telephone number (24 hour)**

For Hazardous Materials [or Dangerous Goods] Incident: Spill,  
 Leak, Exposure or Accident  
 Call Chemtrec Day or Night  
 Within USA and Canada: 1-800-424-9300  
 Outside USA and Canada: +1 703-527-3887 (collect calls  
 accepted)  
 CHEMTREC Customer Number (CCN) 11450

### 2. Hazard identification

**Classification of the substance or mixture**

**Health hazards:**

Not classified.

**Physical hazards:**

Not classified.

**Label elements**

**Hazard statement(s)**

H1: Not applicable.

**Precautionary statement(s)**

**Supplemental label elements:**

P10: Not applicable.

**Potential health effects**

**Eye:** May cause mild eye irritation.

**Skin:** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Ingestion:** Ingestion of this product is unlikely. However, if ingested the product may cause gastrointestinal discomfort and disturbances.

**Inhalation:** No adverse effects due to inhalation are expected.

### 3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Distillates (petroleum), hydrotreated heavy paraffinic	80 - 100	64742-54-7

#### Comments:

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

### 4. First-aid measures

**Eye:** Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

**Skin:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**Inhalation:** If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

### 5. Fire-fighting measures

**General hazard:** Keep away from spark, heat and open flames.

**Suitable extinguishing media:** Dry chemical, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212°F / 100°C. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

**Hazardous combustion products:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, sulfur oxides, phosphorus oxides, hydrogen sulfide, nitrogen oxides and unidentified organic compounds will be evolved when this material undergoes combustion.

**Fire fighting procedures:** This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done safely. Avoid spreading burning liquid with water used for cooling purposes.

**Fire fighting equipment:** Wear self-contained breathing apparatus and full protective clothing.

**Fire explosion:** Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

### 6. Accidental release measures

**General procedures:** Absorb spill with inert material. Collect material into appropriate container for disposal. Dispose of in accordance with Federal, State and local regulations.

**Special protective equipment:** Wear suitable protective clothing, gloves and eye/face protection. Prevent further leakage or spillage if safe to do so.

### 7. Handling and storage

**Precautions for safe handling:** Avoid contact with eyes and skin. Wash thoroughly after handling.

**Conditions for safe storage:** Keep container tightly closed and in a cool, well-ventilated place.

### 8. Exposure controls/personal protection

**Exposure controls**

Control parameters				
Chemical name	Occupational exposure limit values			
	Type		ppm	mg/m <sup>3</sup>
Distillates (petroleum), hydrotreated heavy paraffinic	OSHA PEL	TWA		5
	ACGIH TLV	TWA		5
		STEL		

**Appropriate engineering controls:** Provide local and general exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye / face protection:** Safety glasses

**Skin protection - hand protection:** Chemical resistant protective gloves

**Respiratory protection:** If ventilation is not sufficient to prevent buildup of mists and vapors, wear appropriate NIOSH/MSHA respirator.

**Occupational hygiene practices:** Wash hands before breaks and at the end of work.

**9. Physical and chemical properties**

**Appearance:** Liquid

**Color:** Yellow

**Odor:** Petroleum

**Odor threshold:** Not determined.

**pH:** NA = Not Applicable

**Initial boiling point and boiling range:** > (500°F)

**Flash point:** ~ 220°C ASTM D 93 - Pensky–Martens Closed Cup

**Evaporation rate (n-butyl acetate = 1):** < 1

**Explosion limit / flammability limit notes:** N/D

**Vapor pressure:** < 1 mm Hg

**Relative vapor density:** > 1 Air = 1

**Relative density:** 0.87

**Solubility:** Water insoluble

**Decomposition temperature:** Not determined.

**Kinematic viscosity:** ~ 78.5 cSt at 40°C

**Pour point:** ~ -27°C

**10. Stability and reactivity**

**Reactivity:** Nonreactive.

**Chemical stability:** Stable

**Conditions to avoid:** Oxidizing materials.

**Possibility of hazardous reactions:** No dangerous reactions known.

**Hazardous decomposition products:** No dangerous decomposition products known.

**11. Toxicological information****Acute toxicity**

Chemical name	LD <sub>50</sub> (oral) mg/kg(rat)	LD <sub>50</sub> (dermal) mg/kg(rabbit)	LC <sub>50</sub> (inhalation) mg/l
Distillates (petroleum), hydrotreated heavy paraffinic	> 5 g/kg	> 2 g/kg	> 5 mg/L

**Skin corrosion / irritation:** Not expected to be irritating. Repeated exposure may cause skin dryness or cracking.

**Serious eye damage / irritation:** May cause mild eye irritation.

**Germ cell mutagenicity:** Not expected to cause heritable genetic effects.

#### **Carcinogenicity**

**IARC:** No components present at levels greater than or equal to 0.1% that are listed by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

**NTP:** No components present at levels greater than or equal to 0.1% that are listed by National Toxicology Program (NTP) Annual Report as known to be human carcinogens or reasonably anticipated to be human carcinogens.

**OSHA:** No components present at levels greater than or equal to 0.1% that are listed under the OSHA Hazard Communication Standard (29 CFR 1910.1200 Subpart Z) as carcinogens.

**Notes:** The petroleum oils used in this product have been highly refined by a variety of processes to reduce aromatics and improve performance characteristics. The petroleum oils meet the IP-346 criteria of less than 3 percent PAH's and is not considered a carcinogen by the International Agency for Research on Cancer.

**Reproductive toxicity:** Not expected to cause reproductive toxicity.

**Specific Target Organ Toxicity - single exposure:** Not expected to cause organ effects from single exposure.

**Specific Target Organ Toxicity - repeated exposure:** Not expected to cause organ effects from repeated exposure.

**Aspiration hazard:** Not expected to be an aspiration hazard.

**General comments:** Routes of exposure: skin, inhalation and eyes.

## **12. Ecological information**

**Other adverse effects:** No data available.

## **13. Disposal considerations**

**Disposal methods:** Dispose of in accordance with local, state and federal regulations.

## **14. Transport information**

**USA Department of Transport Regulations (DOT)**

**UN proper shipping name:** Not regulated

## **15. Regulatory information**

### **UNITED STATES**

#### **SARA Section 311/312 Hazard Categories**

**313 reportable ingredients:** None above reporting de minimis.

#### **EPCRA Section 302 Extremely Hazardous Substances**

**EPCRA Status:** None above reporting de minimis.

#### **TSCA (The Toxic Substances Control Act)**

**TSCA regulatory:** All of the components in this product are either listed on or exempt from the Toxic Substance Control Act (TSCA) chemical substance inventory. This product does not contain intentionally added per- and polyfluoroalkyl substances (PFAS) required under the reporting requirements of TSCA section 8(a)(7).

## **16. Other information**

**Date revised:** 08/23/2024

**Revision summary:** This SDS replaces the 07/12/2023 SDS. Revised: **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

**HMIS rating**

<b>Health</b>	<input type="checkbox"/>	<b>1</b>
<b>Flammability</b>	<input type="checkbox"/>	<b>1</b>
<b>Physical hazard</b>	<input type="checkbox"/>	<b>0</b>
<b>Personal protection</b>	<input type="checkbox"/>	<b>B</b>

**Manufacturer disclaimer:**

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