

SAFETY DATA SHEET



Date issued : 10/19/2022

SDS number : 945

Twin Kut 230

1. Identification

Product identifier: Twin Kut 230**Relevant identified uses:** Industrial lubricant**Manufacturer / Supplier**

Twin Specialties Corp.

www.twinoils.com

1730 Walton Road, Suite 207

Blue Bell, PA 19422

Customer Service: (610) 834-7900**E-Mail:** sales@gemini-twin.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)**

Hi: 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 irritation and disturbances.**Inhalation:** Adverse effects due to inhalation are not expected under typical use but inhalation of oil mists or vapors generated at elevated temperatures may cause upper respiratory tract irritation.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.
Distillates (petroleum), hydrotreated heavy paraffinic	50 - 70	64742-54-7
Alkanes, C14-16, Chloro	10 - 30	1372804-76-6

Comments: *1372804-76-6 Alkanes, C14-16, Chloro for USA

85535-85-9 Alkanes, C14-17, Chloro for Canada, Mexico

Chlorinated paraffins are a group of compounds varying in molecular structure by carbon chain length and degree of chlorination. Various CAS numbers

have been assigned to chlorinated paraffins and may represent specific isomers or reflect large categories.

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: Use alcohol foam, carbon dioxide, or water fog when fighting fires involving this material.

Hazardous combustion products: Oxides of carbon and sulfur. Hydrogen chloride.

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

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

Chemical name	Control parameters			
	Occupational exposure limit values			
	Type		ppm	mg/m ³
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: Brown

Odor: Characteristic

Odor threshold: Not determined.

pH: NA = Not Applicable

Freezing point: Not determined.

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

Flash point: > (390°F) Cleveland Open Cup

Evaporation rate (n-butyl acetate = 1): < 0.01

Explosion limit / flammability limit notes: Not Available

Vapor pressure: < 1 mm Hg

Relative density: 0.92

Solubility: Water insoluble

Decomposition temperature: Not determined.

Kinematic viscosity: ~ 240 SUS at (100°F)

10. Stability and reactivity

Reactivity: Nonreactive.

Chemical stability: Stable

Conditions to avoid: Heat, flames and sparks.

Possibility of hazardous reactions: No dangerous reactions known.

Hazardous decomposition products: No dangerous decomposition products known.

Incompatible materials: Strong oxidizing agents.

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)	LC ₅₀ (inhalation) mg/l
Distillates (petroleum), hydrotreated heavy paraffinic	> 5 g/kg	> 2 g/kg	> 5 mg/L
Alkanes, C14-16, Chloro	≥ to 5000 mg/kg		

Carcinogenicity

IARC: No components listed.

NTP: No components listed.

OSHA: No components listed.

Reproductive toxicity: No reported effects on fertility at doses up to 400 mg/kg/day. No effects in conventional development toxicity studies with doses up to 5000 mg/kg/day (rat) and 100 mg/kg/day (rabbit). Mortality due to internal haemorrhaging has been seen in reared by dams fed on high doses of a similar chlorinated paraffin.

Specific Target Organ Toxicity - repeated exposure: Repeated exposure to high levels may produce liver and kidney damage. Chronic ingestion studies in animals have shown that repeated doses of a representative chlorinated paraffin (C14-17, 52% chlorine) gave no adverse effects at doses 23 mg/kg/day (90 day study). Slight effects on the liver were seen at doses >360 mg/kg/day. These effects occur after the administration of high oral doses of C14-C17 chlorinated paraffins to the female rat, a situation that would not arise under any reasonably foreseeable circumstances of human exposure.

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.

16. Other information

Date Prepared: 10/19/2022

HMIS rating

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

Manufacturer disclaimer:

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