

SAFETY DATA SHEET



Date issued : 03/19/2015

SDS number : 130

Date revised : 11/04/2022

Revision number : 1

Twin Kool 2696

1. Identification

Product identifier: Twin Kool 2696
Relevant identified uses: Industrial lubricant

Manufacturer / Supplier

Twin Specialties Cop.
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, Fire, 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:**

Skin Irritation, Category 2
 Eye Irritation, Category 2

Label elements

Exclamation
 mark

Signal word: WARNING**Hazard statement(s)**

H315: Causes skin irritation.
 H319: Causes serious eye irritation.

Precautionary statement(s)**Prevention:**

P264: Wash thoroughly after handling.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of water.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P362: Take off contaminated clothing.

Potential health effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

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

Inhalation: Inhalation of vapors or mists may be irritating to respiratory system.

3. Composition/information on ingredients

| Chemical name | % w/w | CAS No. |
|---------------------------------|---------|------------|
| Ethanol, 2, 2', 2''-nitrioltris | 10 - 30 | 102-71-6 |
| Ethanol, 2-amino- | 5 - 10 | 141-43-5 |
| Boric acid (H3BO3) | 1 - 5 | 10043-35-3 |
| Amine Carboxylate | 5 - 10 | |

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

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

Hazardous combustion products: Oxides of carbon and nitrogen may be produced.

Other considerations: Product contains water and will only burn after water is boiled off.

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

| Control parameters | | | | |
|------------------------------------|-----------|------|-----|-------------------|
| Occupational exposure limit values | | | | |
| Chemical name | Type | | ppm | mg/m ³ |
| Ethanol, 2, 2', 2''-nitrolotris | ACGIH TLV | TWA | | 5 |
| | OSHA PEL | TWA | 3 | 6 |
| Ethanol, 2-amino- | ACGIH TLV | TWA | 3 | 7.5 |
| | | STEL | 6 | 15 |

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: Amber

Odor: Aminic

Odor threshold: Not determined.

pH: 9.7

Freezing point: ~ (32°F)

Initial boiling point and boiling range: > (212°F)

Flash point: > (212°F) Cleveland Open Cup

Notes: Product contains water.

Evaporation rate (n-butyl acetate = 1): Not determined.

Explosion limit / flammability limit notes: N/D

Vapor pressure: < 12 mm Hg

Relative vapor density: ~ 0.5 Air = 1

Relative density: 1.06

Solubility: Soluble

Decomposition temperature: Not determined.

Viscosity: Not determined.

10. Stability and reactivity

Reactivity: None known.

Chemical stability: Stable

Conditions to avoid: Product contains amines. Do not mix with nitrites or other nitrosating agents because carcinogenic nitrosamines may be formed.

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) |
|-------------------------------|------------------------------------|---|
| Ethanol, 2, 2', 2''-nitrotris | > 2000 mg/kg | |
| Ethanol, 2-amino- | 1.19 ml/kg | 2.46 ml/kg |
| Boric acid (H3BO3) | 2660 mg/kg | |

Carcinogenicity**IARC:** No components listed.**NTP:** No components listed.**OSHA:** No components listed.**Reproductive toxicity:** In animal testing, the risk of impaired fertility was shown only after administration of very high doses of boric acid.**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 revised:** 11/04/2022**Revision summary:** This SDS replaces the 03/19/2015 SDS. Revised: **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).**HMIS rating**

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

Manufacturer disclaimer:

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