

## Section 1

Manufacturer: Twin Specialties Corporation  
 Address: 15 East Ridge Pike  
 Conshohocken, PA 19428  
 Telephone No: (610) 834-7900

TWIN GRINDING OIL 105

HMIS Code: 210B

After hours Emergency number  
 (800) 225-3924

## Section 2

## Hazardous Ingredients

Chemical Name	Exposure Limit	CAS No.	% by wt
HYDROTREATED PETROLEUM OIL	5 mg/m3 OIL MIST	64742-52-5	>85
FATTY TRIGLYCERIDE	NOT ESTABLISHED	8016-28-2	<10

## Section 3

## Physical and Chemical Characteristics

Boiling Point: >450 °F	Specific Gravity: 0.895
Vapor Pressure: <0.1 mmHg @20 °C	Vapor Density: >1 (Air = 1)
Solubility: Insoluble	pH: NOT APP
Appearance: YELLOW	Odor: SULFUR

## Section 4

## Fire and Explosion Data

Flash Point: 315 °F TCC	Auto-ignition Temperature: >500 °F
Explosion Limits: (upper) 7 %	(lower) 0.9 %
Extinguisher media: Foam, dry chemical, water fog, or CO2. Do not use water streams.	
Special Fire Fighting Procedures	Treat as a petroleum fire. Use self contained air supplied breathing apparatus for enclosed areas. Avoid breathing vapors and fumes.
Unusual Fire or Explosion Hazards	Containers exposed to extreme heat should be cooled with water spray to prevent pressure build up. Vapors are heavier than air and may build up in low areas.

## Section 5

## Physical Hazards

Stability: Stable	Conditions to Avoid: None known
Incompatibility	Avoid contact with strong oxidizers such as bleach, chlorine, peroxide sodium or calcium hypochlorite.
Hazardous Decomposition Products: Fumes, smoke, CO, and oxides of sulfur	
Hazardous Polymerization:	Will not occur

Section 6	Health Hazards
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Health Hazards:	Routes of Entry
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**Skin Contact:** May cause irritation of the skin. Repeated or prolonged contact may cause drying and defatting of skin.

**Eye Contact:** Causes irritation and redness of the eyes. May cause more serious injury if not treated immediately.

**Inhalation:** Inhalation is unlikely due to low vapor pressure. Inhalation of mists may cause respiratory irritation.

**Ingestion:** Ingestion of concentrated product may cause digestive tract irritation, nausea, vomiting and diarrhea.

Health Hazards:	First Aid Procedures
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**Skin Contact:** Wash with soap and cool water. Wash contaminated clothing thoroughly before re-use.

**Eye Contact:** Flush eyes with clean water for 15 minutes. Seek medical attention if irritation persists.

**Inhalation:** Move victim from exposure to fresh air. Seek medical attention if symptoms persist.

**Ingestion:** Do not induce vomiting unless directed by a physician. Dilute with several glasses of water or milk. Never give anything to drink to an unconscious person. Seek medical attention.

**Other Effects** Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution exposure to liquids, vapors, mists and fumes should be minimized through the use of proper protective equipment.

**Carcinogenicity:** This product does not contain any materials known or suspected to be a carcinogen by NTP, IARC, or OSHA.

Section 7	Special Precautions and Spill or Leak Procedures
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Precautions for Handling and Storage	Full or empty drums should be stored in a cool, dry well ventilated area. Keep this and all other chemical materials in closed, properly labeled containers.
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Spill or Leak Procedures	Absorb with sand, clay, or other suitable material and shovel into an appropriate container. Dike large spills to avoid accidental discharge into water systems.
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**Waste Disposal Method:** In accordance with local state and federal regulations

Section 8	Special Protection and Control Measures
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Respiratory Protection	Not generally required when used as directed. Avoid breathing vapors from concentrated product.
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Ventilation	Local mechanical exhaust or room ventilation is normally sufficient. Store concentrated product in closed containers.
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Protective Gloves: Rubber	Eye Protection: Safety Glasses / Goggles
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Other Protective Clothing or Equipment	Eye wash and safety shower should be present in the work area whenever chemicals are in use.
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Special Work and Hygienic Practices	Observe good personal hygiene. Wash thoroughly after using all chemicals. Do not ingest.
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