

Steward Enterprise Inc.

Oil Division

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MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME: Supreme Torque

GENERIC/CHEMICAL NAMES:
PREPARATION/REVISION DATE: 05/14/04
REVISED FROM (DATE): 03/12/98

EMERGENCY PHONE #: (920) 734-4146
NFPA CODE: Health: 1 Fire: 1 Reactivity: 0
HMIS CODE: Health: 1 Fire: 1 Reactivity: 0

SECTION 1 - HAZARDOUS INGREDIENTS

This material is not known to contain greater than 0.1% of any carcinogen required to be listed under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

	OSHA PEL	ACGIH TLV
Mineral Oil, mist	5 mg/m ³	5 mg/m ³
Acrylic Copolymers (2-3% Concentration) CAS # 63197-48-8 or 68171-46-0		
Zinc alkyldithiophosphate (1-2% Concentration) CAS # 68649-42-3		

SECTION 2 - FIRE AND EXPLOSION HAZARDS

FLASH POINT: > 350 (F) Cleveland Open Cup
UPPER FLAMMABLE LIMIT: 7.0%
LOWER FLAMMABLE LIMIT: 0.6%
EXTINGUISHING MEDIA:

CO₂, dry chemical, foam (This combustible material has the burning characteristics of a high flash point mineral oil.)

SPECIAL FIRE FIGHTING PROCEDURES:

Wear self contained breathing apparatus with full face piece. Cool exposed containers with water spray. Avoid breathing fumes.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Toxic fumes may be evolved on burning or exposure to heat. Pressure may increase in overheated closed containers. Store below 120°F.

SECTION 3 - HEALTH HAZARD DATA

Pre-existing skin and respiratory conditions could be aggravated by exposure to this product. If the product is misted or heated with inadequate ventilation, exposure may cause irritation of mucous membranes and upper respiratory tract. Avoid prolonged or repeated contact with skin. Chronic exposure may cause dermatitis. Keep out of eyes. Do not ingest. May irritate eyes. Aspiration into the lungs may cause mild to severe pulmonary injury.

« CHRONIC EXPOSURE »

CARCINOGENICITY: No data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

REPRODUCTIVE TOXICITY: No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

« ADDITIONAL INFORMATION »

OTHER: No other health hazards known.

EXPOSURE LIMITS: See Hazardous Ingredients Section for any applicable exposure limits for components.

SECTION 3A - EMERGENCY FIRST AID PROCEDURES

SKIN: Remove contaminated clothing, wipe off excess then wash with soap and water. Get medical attention if irritation develops.

EYE: Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

INHALATION: Remove exposed person to fresh air if adverse effects are observed. Administer oxygen if breathing is difficult. Give artificial respiration if breathing has stopped.

ORAL: DO NOT INDUCE VOMITING! If conscious, give 2 glasses of water. Get immediate medical attention. Material is considered low in acute oral toxicity.

ADDITIONAL: Note to physician: treat symptomatically.
This material is not listed as a carcinogen by the NTP, IARC or OSHA.

SECTION 4 - SPECIAL PROTECTION INFORMATION

GLOVE PROTECTION: Neoprene or Nitrile Gloves Recommended.

EYE PROTECTION: Safety glasses recommended.

RESPIRATORY PROTECTION: Normally not required, mask or respiratory for mists.

CLOTHING RECOMMENDATION: As needed to prevent repeated or prolonged contact.

SECTION 5 - PHYSICAL DATA

VAPOR PRESSURE: N.D.
BOILING POINT: (F): 500-900
SPECIFIC GRAVITY: .862 - .905
LB/GAL: 7.35
API GRAVITY: 28.8
WATER SOLUBILITY: Negligible
PERCENT VOLATILE: Nil
VAPOR DENSITY: > 1 (Air = 1)
EVAPORATION RATE: N.D.
ODOR: Mild
APPEARANCE: Light yellow liquid
VISCOSITY: 59.5 ref. cSt @ 40°C 9.2-9.6 cSt @ 100°C

SECTION 6 - STABILITY

STABILITY: Stable at room temperature.

INCOMPATIBILITY: Oxidizing agents and acids.

POLYMERIZATION: Will not occur.

THERMAL DECOMPOSITION: Smoke, carbon monoxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: Calcium, Phosphorus, Sulfur, Zinc, carbon monoxide, hydrogen sulfide, and carbon monoxide compounds.

SECTION 7 - SPILL OR LEAK PROCEDURES

SPILL PROCEDURES: Prevent entry into sewers and waterways. Pick up free liquid for recycle or disposal. Absorb small amounts with an inert material.

WASTE DISPOSAL: Dispose of waste by supervised incineration in compliance with applicable laws and regulations. Dispose of waste at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

SECTION 8 - SPECIAL PRECAUTIONS

SPECIAL PRECAUTIONS: Keep containers closed when not in use. Do not handle or store near high heat or flames. Avoid breathing oil mists, wash skin thoroughly with soap and water after handling.

SECTION 9 - TRANSPORTATION AND LABELING

DOT PROPER SHIPPING NAME:
DOT HAZARD CLASS:
DOT ID NUMBER (UN NO.):
IMO CLASS:
ICAO CLASS:
CERCLA HAZARDOUS SUBSTANCES:
PRECAUTIONARY LABELS:

SECTION 10 - OTHER REGULATORY INFORMATION

U.S. TSCA INVENTORY:	N.D.
OTHER TSCA REG.:	N.D.
EEC EINECS:	N.D.
JAPAN MITI:	N.D.
AUSTRALIA:	N.D.
SWITZERLAND:	N.D.
SARA EXT. HAZ. SUBST.:	N.D.
SARA SECTION 313:	N.D.
CAL. PROP. 65.:	N.D.

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N.A. = Not Applicable N.D. = Not Determined