



MATERIAL SAFETY DATA SHEET

PRODUCT: **BTTRI OIL POLYOLESTER LUBRICANT PE68** HMIS CODES: **H 1 F 1 R 0 P -**

PRODUCT CODE: **PE68**
 CHEMICAL NAME/FAMILY: **SYNTHETIC ESTER LUBRICATING FLUID**

MANUFACTURER / DISTRIBUTOR: **A.G.Chem LTD.**

ADDRESS: **23 Kolot Beak St, Cairo Egypt**

INFORMATION: **002-011-455-095-21**

002-010-012-111-22

EMERGENCY: **002-011-455-095-10**

DATE: **9/12**

HAZARDOUS COMPONENTS

MATERIAL	CAS NO.	APPROXIMATE %	TLV
Pentaerythritol ester of heptanoic and isopentanoic acids	68441-94-1	N/A	5mg ³ (as a mist)
Mixed pentaerythritol esters of isononionic and heptanoic acids	118685-29-3	N/A	5mg ³
Antiwear/antioxidant additive	N/A	N/A	N/A

SARA TITLE III INFORMATION (40CFR300)

EXTREMELY HAZARDOUS SUBSTANCES (40CFR355)

MATERIAL	TPQ (LBS)	RQ (LBS)
None listed	N/A	N/A

CERCLA HAZARDOUS SUBSTANCES (40CFR302.4)

MATERIAL	WT %	RQ (LBS)
None listed	N/A	N/A

PRODUCT HAZARD CATAGORIES (SARA TITLE III/SECTIONS 311 & 312)

IMMEDIATE	NO	DELAYED	NO
FIRE	NO	PRESSURE	NO
REACTIVE	NO	CHRONIC	NO

TOXIC SUBSTANCES (SARA TITLE III/SECTION 313 & 40CFR372)

MATERIAL	CAS NO.	WT %
None listed		

PHYSICAL DATA

BOILING POINT

N/A

VOLATILITY

N/A

SPECIFIC GRAVITY

<1.0 g/cc at 77°F (25°C)

VAPOR PRESSURE

N/A

VAPOR DENSITY

N/A at 77°F (25°C) (AIR = 1)

SOLUBILITY IN WATER

Negligible at 77°F (25°C)

pH INFORMATION

Neutral

POUR, CONGEALING OR MELTING POINT

N/A

FORM

Liquid

FREEZING POINT

N/A

COLOR

Amber

ODOR

Slight chemical odor

HAZARDOUS REACTIVITY

STABILITY

Material is stable. Avoid open flames and high temperatures.

DECOMPOSITIONThis material may decompose if exposed to high temperatures (open flames) producing CO and CO₂.**INCOMPATIBILITY**

N/A

POLYMERIZATION

Will not occur.

FIRE AND EXPLOSION INFORMATION

FLASH POINT

>500°F by COC test method

FLAMMABLE LIMITS IN AIR

LOWER: Not evaluated

UPPER: Not evaluated

AUTOIGNITION TEMPERATURE

Not determined

AUTODECOMPOSITION TEMPERATURE

Not determined

FIRE AND EXPLOSION HAZARDS

N/A

EXTINGUISHING MEDIAFoam, CO₂, Dry Chemical**SPECIAL FIREFIGHTING INSTRUCTIONS**

Use water spray to cool surface of container. Use Self Contained Breathing Apparatus (SCBA), avoid breathing fumes, vapors, or mists. Water may cause frothing.

HEALTH HAZARD INFORMATION

PRINCIPLE HEALTH HAZARDS

SKIN CONTACT: In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water.

EYE CONTACT: If splashed into eyes, flush with clear water for 15-minutes or until irritation subsides. If irritation persists, call a physician.

INHALATION: Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen if available. If overexposure is due to oil mist, remove from further exposure until excessive oil mist condition subsides.

INGESTION: If ingested, do not induce vomiting. Call a physician immediately.

EXPOSURE LIMIT FOR TOTAL PRODUCT

5mg/m³ for oil mist in air

CARCINOGENICITY

Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

SAFETY PRECAUTIONS

Avoid breathing vapors and prolonged skin exposure. Use with sufficient ventilation to keep exposure below recommended limits.

SIGNS AND SYMPTOMS OF EXPOSURE

None known

PROTECTION INFORMATION

GENERAL CONTROL MEASURES

Normal ventilation for standard manufacturing procedures is generally adequate. Local exhaust should be used when large amounts are released. Mechanical ventilation should be used in low places. Keep containers closed when not in use. Do not handle near heat, sparks, flame, or strong oxidants.

PERSONAL PROTECTIVE EQUIPMENT

Butyl gloves should be worn to avoid prolonged or repeated exposure. Chemical splash goggles should be worn as needed to prevent eye contact. Under normal use, no respiratory protection is required when using this chemical.

PERSONAL HYGIENE

Minimize breathing vapor, mist, or fumes. Avoid prolonged contact with skin. Remove contaminated clothing, and launder or dry-clean before reuse. Cleanse skin thoroughly after contact, especially before eating, with waterless hand cleaner followed by soap and water.



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DISPOSAL INFORMATION

SPILL, LEAK OR RELEASE

Ventilate area. Do not flush into sewers. Dike spill. Collect on absorbent material and transfer to steel drums for recovery or disposal. Comply with Federal, State and local regulations on reporting releases.

WASTE DISPOSAL

Comply with Federal, State and local regulations.

SHIPPING INFORMATION

***** This product is not regulated by DOT, IMO, ICAO**

DOMESTIC--OTHER THAN AIR (DOT)

PROPER SHIPPING NAME: Lubricants, metal working, NOI

UN NUMBER: Not applicable

HAZARD CLASS: Not applicable

DOT LABELS: Not applicable

DOT PLACARD: Not applicable

INTERNATIONAL WATER OR AIR (IMO/ICAO)

PROPER SHIPPING NAME:

UN NUMBER: Not applicable

HAZARD CLASS: Not applicable

IMO/ICAO LABEL: Not applicable

DISCLAIMER

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