

**MANUFACTURER**  
Castle Products, Inc.  
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### MATERIAL SAFETY DATA SHEET

Hazard: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme  
Protection: A-Goggles, B-Goggles & gloves,  
C-Goggles, gloves, & protective wear.  
Other: NA-Not Applicable, ND-Not Determined,  
NE-Not Established.

**HAZARD RATING**  
Health 1  
Fire 1  
Reactivity 0  
Protection B

#### SECTION I DESCRIPTION

TRADE NAME: **Castle® 3000 Plus™**

PRODUCT TYPE: Oil Supplement

#### SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	PEL	TLV	STEL	%
Zinc alkyldithiophosphate	68649-42-3	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	NE	NE
Hydrotreated paraffinic base oil	64742-58-1	5 mg/m <sup>3</sup> (mist)	10 mg/m <sup>3</sup>	NE	NE

#### SECTION III PHYSICAL DATA

BOILING POINT:	ND	SPECIFIC GRAVITY (H <sub>2</sub> O=1):	0.891
VAPOR PRESSURE:	ND	PERCENT VOLATILE BY VOL %:	ND
VAPOR DENSITY (air=1):	> 1	EVAPORATION RATE (Butyl Acetate=1):	< 1
SOLUBILITY IN WATER:	Insoluble	APPEARANCE & ODOR:	Brown liquid / Petroleum odor

#### SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): ND LOWER EXPLOSIVE LIMIT: ND UPPER EXPLOSIVE LIMIT: ND  
EXTINGUISHING MEDIA: CO<sub>2</sub>, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.  
UNUSUAL FIRE & EXPLOSION HAZARDS: Heated containers may rupture. Keep containers from flame, spark, static electricity, or other sources of ignition. Product may burn, but does not ignite readily. Toxic fumes, gases, or vapors may evolve on burning or exposure to heat. Water may cause spattering.  
SPECIAL FIRE FIGHTING PROCEDURES: Keep storage containers cool with water spray. Self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

#### SECTION V HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Eye contact, skin contact, inhalation, and ingestion.  
EFFECTS OF OVEREXPOSURE: • Eyes: Irritation and redness. • Skin: May cause irritation. • Inhalation: Unknown. • Ingestion: Nausea, vomiting, and abdominal cramps.  
EMERGENCY & FIRST AID PROCEDURES: • Eyes: Flush with large amounts of water for 15 minutes. Get medical attention. • Skin: Wash skin with soap and water thoroughly. • Inhalation: Remove to fresh air. • Ingestion: Do not induce vomiting. Get medical attention.

#### SECTION VI REACTIVITY DATA

STABILITY: Stable under normal conditions.  
INCOMPATIBILITY (material to avoid): Oxidizing agents.  
HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.  
HAZARDOUS DECOMPOSITION PRODUCTS: Unknown.

#### SECTION VII SPILL OR LEAK PROCEDURES

IF RELEASED OR SPILLED: Large spills: Pill or dyke area. Pick up with absorbent material for proper disposal. Small spills: Pick up with absorbent4 material for proper disposal.  
WASTE DISPOSAL METHOD: Dispose in accordance with federal, state, and local regulations.

#### SECTION VIII SPECIAL PROTECTION INFORMATION

VENTILATION: LOCAL XXXXX MECHANICAL OTHER  
RESPIRATORY PROTECTION: NIOSH approved in confined areas.  
PROTECTIVE GLOVES: Vinyl or rubber.  
EYE PROTECTION: Splash protection.  
OTHER PROTECTIVE EQUIPMENT: As needed to prevent prolonged skin contact.

#### SECTION IX SPECIAL PRECAUTIONS

HANDLING & STORING PRECAUTIONS: Store away from heat and any sources of ignition. Always wash hands before consuming food or beverages or using smoking materials.

PREPARED: 02/97

UPDATED: 1/2/09

PRODUCT #: C0831