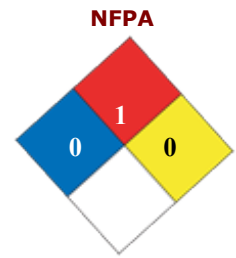




SECTION 1 - IDENTIFICATION

Product Name: **XHP-222**
Product Code: 108-1190
MSDS Manufacturer Number: 108-1190
Product Use/Restriction: Grease
Manufacturer Name: The Toro Company
Address: 8111 Lyndale Ave S
Bloomington,, Minnesota 55420
U.S.A.

General Phone Number: 1-952-888-8801
MSDS Creation Date: September 24, 2012
MSDS Revision Date: September 24, 2012
GHS Class: Not classified



HMIS

Health Hazard	0
Fire Hazard	1
Reactivity	0
Personal Protection	X

SECTION 2 - HAZARD(S) IDENTIFICATION

GHS Class: Not classified
Hazard Statements: None.
Precautionary Statements: None.
Emergency Overview: Non hazardous.
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:
 Eye: May cause irritation.
 Skin: May cause irritation.
 Inhalation: May cause irritation.
 Ingestion: May cause irritation.
Target Organs: Digestive system.
Aggravation of Pre-Existing Conditions: None generally recognized.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent	EC Num.
ZINC DIALKYL DITHIOPHOSPHATE	68457-79-4	<2.5 %	
Note:	All base oils, including additive carriers, contain		

SECTION 4 - FIRST AID MEASURES

Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Inhalation:	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion:	IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	>400°F (200°C)
Flash Point Method:	[ASTM D-92]
Auto Ignition Temperature:	Data not available.
Lower Flammable/Explosive Limit:	0.9% by volume
Upper Flammable/Explosive Limit:	7% by volume
Extinguishing Media:	Carbon dioxide, dry chemical powder, or water spray.
Unsuitable Media:	Do not use a solid water stream as it may scatter and spread fire.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Hazardous Combustion Byproducts:	Fires involving this product may release oxides of carbon, phosphorus, nitrogen and sulfur; reactive hydrocarbons and irritating vapors.

NFPA Ratings:

NFPA Health:	0
NFPA Flammability:	1
NFPA Reactivity:	0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Methods for containment:	Contain spills with an inert absorbent material such as soil, sand or oil dry.
Methods for cleanup:	Soak up with inert absorbent material. Place into a suitable container for disposal.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Work Practices:	Use good laboratory practice when working with chemicals.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Good general ventilation should be sufficient to control airborne levels.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Lab coat or protective clothing.
Hand Protection Description:	Use impervious gloves. Nitrile gloves are recommended.
Respiratory Protection:	No personal respiratory protective equipment normally required.
Other Protective:	Follow good industrial hygiene practices when handling this material.
PPE Pictograms:	



EXPOSURE GUIDELINES

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Solid.
Color:	dark blue
Odor:	Characteristic
Boiling Point:	>316 °C (>600 °F)
Melting Point:	>260 °C (>500 °F)
Specific Gravity:	0.91

Solubility:	Negligible solubility in water.
Vapor Density:	Data not available.
Vapor Pressure:	< 0.013 kPa (0.1 mm Hg) at 20 °C
Percent Volatile:	Data not available.
Evaporation Rate:	Data not available.
Evaporation Point:	Data not available.
pH:	Data not available.
Viscosity:	220 cSt (220 mm ² /sec) at 40 °C >16 cSt (16 mm ² /sec) at 100°C
Flash Point:	>400°F (200°C)
Flash Point Method:	[ASTM D-92]
Auto Ignition Temperature:	Data not available.

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Avoid freezing and excessive heat.
Incompatible Materials:	Not applicable.
Special Decomposition Products:	Oxides of carbon, oxides of nitrogen and other organic substances may be formed.

SECTION 11 - TOXICOLOGICAL INFORMATION

ZINC DIALKYL DITHIOPHOSPHATE :

RTECS Number:	TE4650000
Ingestion:	Oral - rat LD50: 3.6 gm/kg [Behavioral - somnolence (general depressed activity) Lungs, Thorax, or Respiration - other changes Gastrointestinal - hypermotility, diarrhea]

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal:

This product unadulterated by other materials may be classified as a nonregulated waste in some areas - but still needs to be disposed of at approved facilities. Waste management should be in full compliance with federal, state, and local laws.

Dispose of in accordance with Local, State, Federal and Provincial regulations. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste.

Most used and non-use oils are incinerated by licensed burner facilities for heat value, or reclaimed by oil recycling services. Look in a local telephone directory or internet for headings under, 'Waste', 'Waste Services', 'Waste Disposal' for companies licensed to handle such material. Additional information can be obtained from local EPA, DNR, Sewer and Land-Fill sites. Unused, packaged fluids may be donated to other companies or charities (fluids MUST be unused).

The transportation, storage, treatment and disposal of RCRA waste material must be conducted in compliance with 40 CFR 262, 263, 264, 268 and 270. Disposal can only occur in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Disposal of this material must be conducted in compliance with all federal, state, and local regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Not Regulated.

DOT UN Number: Not Regulated.

SECTION 15 - REGULATORY INFORMATION

Risk Phrases: Not applicable.

Safety Phrase: Not applicable.

ZINC DIALKYL DITHIOPHOSPHATE :

TSCA Inventory Status: Listed

Canada DSL: Listed

SECTION 16 - ADDITIONAL INFORMATION

Label Hazard Warning: None.

Label Precautions: None.

HMIS Health Hazard: 0

HMIS Fire Hazard: 1

HMIS Reactivity: 0

HMIS Personal Protection: X

MSDS Creation Date: September 24, 2012

MSDS Revision Date: September 24, 2012

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