1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CoolTemp HydroMax - # 345043, # 345044, # 345046
Synonyms: None
Identified/ Recommended Use: Lubricant
Supplier: The Grasshopper Company
Old Highway 81 South
Moundridge, KS 67107
(620) 345-8621 (Monday-Friday, 8:00 am – 5:00 pm CST)

Emergency Telephone Number:
INFOTRAC – 24 Hrs – (800) 535-5053
INFOTRAC INTERNATIONAL – 24 Hrs – (352) 323-3500

2. HAZARDS IDENTIFICATION

Classification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EYE IRRITATION - Category 2A

Label Elements

Signal Word
Warning

Hazard Statements
Causes serious eye irritation.

Precautionary Statements
Wash face, hands, and any exposed skin thoroughly after handling.
Wear eye and face protection.

IF IN EYE: 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.

Hazards classified under paragraph (d)(1)(ii) of 1910.1200
No information available.

Other information

May be harmful if swallowed. May be harmful in contact with skin. May be harmful if inhaled. Causes mild skin irritation. Harmful to aquatic life with long lasting effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical Name	CAS No.	Weight %	Trade Secret
Petroleum distillates, solvent dewaxed heavy paraffinic; >20.5 cSt	64742-65-0	70-80	*
Petroleum distillates, hydrotreated heavy paraffinic; >20.5 cSt	64742-54-7	30-40	*
Residual oils (petroleum), solvent dewaxed	64742-62-7	10-20	*
Zinc alkyl dithiophosphate	113706-15-3	1-5	
Phosphorodithioic acid, mixed O, O-bis(iso-Bu and pentyl) esters, zinc salts	68457-79-4	0.1-1	*
Oleoyl sarcosine	110-25-8	0.1-1	*

Identifiers above that are not CAS RN are internally assigned unique identifiers. *The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

General Advice

Show this safety data sheet to the doctor in attendance.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

Skin Contact

Wash skin with soap and of water. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.

Inhalation

Remove to fresh air.

Self-protection of First-Aiders

Avoid contact with skin, eyes, or clothing. Wear personal protective equipment (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms

May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific Hazards Arising from the Chemical

Not easily combustible. Product may ignite and burn at temperatures exceeding the flash point.

Explosion data

Sensitivity to mechanical impact

None.

Sensitivity to static discharge

None.

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Avoid contact with skin, eyes, or clothing. Use personal protective equipment as required.

Other information

Refer to protective measures listed in Sections 7 and 8.

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal.

Prevention of secondary hazards

Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes, and clothing. Wear personal protective equipment. Prevent vapor buildup by providing adequate ventilation during and after use. Do not eat, drink, or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

Good hygiene considerations

Avoid contact with skin, eyes, or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink, or smoke when using this product.

Storage

Keep container tightly closed and in a cool, dry, and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, solvent dewaxed heavy paraffinic; >20.5 cSt 64742-65-0	TWA: 5 mg/m^3 inhalable particulate matter excluding metal working fluids, highly and severely refined	TWA: 5mg/m^3 (vacated) TWA: 5mg/m^3	IDLH: 2500 mg/m^3 TWA: 5 mg/m^3 STEL: 10 mg/m^3
Petroleum distillates, hydrotreated heavy paraffinic; >20.5 cSt 64742-54-7	TWA: 5 mg/m^3 inhalable particulate matter excluding metal working fluids, highly and severely refined	TWA: 5mg/m^3 (vacated) TWA: 5mg/m^3	IDLH: 2500 mg/m^3 TWA: 5 mg/m^3 STEL: 10 mg/m^3
Residual oils (petroleum), solvent dewaxed 64742-62-7	TWA: 5 mg/m^3 (inhalable)	TWA: 5 mg/m^3	-

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Appropriate Exposure Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.

Personal Protective Equipment

Eye/Face Protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Wear suitable protective clothing.

Hand Protection

Wear suitable gloves.

Respiratory Protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

9. PHYSICAL AND CHEMCAL PROPERTIES

Typical physical properties are given below.

Physical State:	**PH:**
Liquid	No data available
Appearance:	**Melting/Freezing Point:**
Dark amber	No data available
Odor:	**Boiling Point/Range:**
Characteristic	No data available
Odor Threshold:	**Flash Point:**
No information available	232° C / 449.6° F ASTM D92

Kinematic Viscosity:	**Vapor Pressure:**
Proprietary	No data available
Decomposition Temperature:	**Vapor Density:** (Air=1)
No data available	<1
Auto Ignition Temperature:	**Specific Gravity:** (H_2O=1)
No data available	0.866 ASTM D4052
Partition Coefficient: (n-octanol/water)	**Water Solubility:**
No data available	Negligible
Evaporation Rate:	**Flammability (solid, gas):**
No data available	No data available
Explosive Properties:	**Oxidizing Properties:**
No data available	No data available

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

None known based on information supplied.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL DATA

Information on likely routes of exposure

Inhalation

May cause irritation of respiratory tract. May be harmful if inhaled.

Eye Contact

Causes serious eye irritation, based on components. May cause redness, itching, and pain.

Skin Contact

Prolonged contact may cause redness and irritation. Causes mild skin irritation. May be harmful in contact with skin.

Ingestion

May be harmful if swallowed or enters airways.

Symptoms related to the physical, chemical, and toxicological characteristics

Symptoms

May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

Acute toxicity

Based on available data, the classification criteria are not met.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, solvent dewaxed heavy paraffinic; >20.5 cSt 64742-65-0	> 15000 mg/kg (Rat) > 24 g/kg (Rat)	> 5000 mg/kg (Rabbit)	> 2400 mg/m³ (Rat) 4 h = 2062 ppm (Rat) 4 h
Petroleum distillates, hydrotreated heavy paraffinic; >20.5 cSt 64742-54-7	> 15 g/kg (Rat) > 24 g/kg (Rat)	> 5000 mg/kg (Rabbit)	> 5 mg/L (Rat) 4 h
Residual oils (petroleum), solvent dewaxed 64742-62-7	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 2.18 mg/L (Rat) 4 h
Phosphorodithioic acid, mixed O, O-bis(iso-Bu and pentyl) esters, zinc salts 68457-79-4	= 3600 mg/kg (Rat)	> 20000 mg/kg (Rabbit)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin Corrosion/Irritation

Classification based on data available for ingredients. Causes mild skin irritation.

Serious Eye Damage/Eye Irritation

Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitization

Based on the available data, the classification criteria are not met.

Germ cell mutagenicity

Based on the available data, the classification criteria are not met.

Carcinogenic Effects

Based on the available data, the classification criteria are not met.

DMSO Disclaimer

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346.

Reproductive Toxicity

Based on the available data, the classification criteria are not met.

STOT – Single Exposure

Based on the available data, the classification criteria are not met.

STOT – Repeated Exposure

Based on the available data, the classification criteria are not met.

Aspiration Hazard

Based on the available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Petroleum distillates, solvent dewaxed heavy paraffinic; >20.5 cSt 64742-65-0	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)

Petroleum distillates, hydrotreated heavy paraffinic; >20.5 cSt 64742-54-7	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
Residual oils (petroleum), solvent dewaxed 64742-62-7	-	LC50: >5000mg/L (96h, Oncorhynchus mykiss)	-	EC50: >1000mg/L (48h, Daphnia magna)
Phosphorodithioic acid, mixed O, O-bis(iso-Bu and pentyl) esters, zinc salts 68457-79-4	EC50: 1.0-5.0mg/L (96h, Pseudokirchneriella subcapitata)	LC50: >1000mg/L (96h, Pimephales promelas) LC50: 25-50mg/L (96h, Pimephales promelas)	-	EC50: 4.0-6.0mg/L (48h, Daphnia magna)

Persistence and Degradability

No information available.

Bioaccumulation Potential

Chemical Name	Partition coefficient
Phosphorodithioic acid, mixed O, O-bis(iso-Bu and pentyl) esters, zinc salts 68457-79-4	0.69

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated Packaging

Do not re-use empty containers.

California Hazardous Waste Status

This product contains one or more substances that are listed with the State of California as a hazardous waste

14. TRANSPORTATION INFORMATION

DOT – UN number or ID number

Not regulated.

TDG – UN number or ID number

Not regulated.

MEX – UN number or ID number

Not regulated.

IMDG – UN Number or ID number

Not regulated.

ICAO (air)/IATA – UN Number or ID number

Not regulated.

15. REGULATORY INFORMATION

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer

Not applicable.

The Stockholm Convention on Persistent Organic Pollutants

Not applicable.

The Rotterdam Convention

Not applicable.

International Inventories

TSCA	Complies

*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory.

DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.
NZIoC	Contact supplier for inventory compliance status.
TCSI	Contact supplier for inventory compliance status.

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS – Japan Existing and New Chemical Substances
IECSC – China Inventory of Existing Chemical Substances
KECL – Korean Existing and Evaluated Chemical Substances
PICCS – Philippines Inventory of Chemicals and Chemical Substances
AICS – Australian Inventory of Chemical Substances.
NZIoC – New Zealand Inventory of Chemicals
TCSI – Taiwan Chemical Substance Inventory

US Federal Regulations

SARA 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	SARA 313 – Threshold Values %
Zinc alkyl dithiophosphate – 113706-15-3	1.0

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA-Reportable Quantities	CWA – Toxic Pollutants	CWA-Priority Pollutants	CWA – Hazardous Substances
Zinc alkyl dithiophosphate 113706-15-3	-	X	-	-

Phosphorodithioic acid, mixed O,O-bis(iso-Bu and pentyl) esters, zinc salts 68457-79-4	-	X	-	-

CAA (Clean Air Act)

This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensations and Liability Act (CERCLA) (40 CFR 302).

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Proposition 65
Benzene 71-43-2	Carcinogen Developmental Male Reproductive
Lead 7439-92-1	Carcinogen Developmental Male Reproductive Female Reproductive
2-Ethyhexyl acrylate 103-11-7	Carcinogen
Ethyl acrylate 140-88-5	Carcinogen
Methyl alcohol 67-56-1	Developmental

U.S. EPA Label Information

EPA Pesticide Registration Number

Not applicable.

16. OTHER INFORMATION

NFPA **Health Hazard 1** **Flammability 1** **Stability 1** **Special Hazards -**

HMIS **Health Hazard 2** **Flammability 1** **Physical Hazard 0**

Personal Protection -

Legend to abbreviations and acronyms used in the safety data sheet

ACGIH - American Conference of Governmental Industrial Hygienists
AND - Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC - Australian Inventory of Industrial Chemicals
ATE - Acute Toxicity Estimate
ASTM - American Society for the Testing of Materials
bar - Biological Reference Values for Chemical Compounds in the Work Area
BAT - Biological tolerance values for occupational exposure
BEL - Biological exposure limits
bw - Body weight
Ceiling - Maximum limit value
CMR - Carcinogen, Mutagen or Reproductive Toxicant
DOT - Department of Transportation (United States)
DSL - Domestic Substances List (Canada)
EmS - Emergency Schedule
ENCS - Existing and New Chemical Substances (Japan)
EPA - Environmental Protection Agency
GHS - Globally Harmonized System
HMIS - Hazardous Materials Identification System
IARC - International Agency for Research on Cancer

IATA - International Air Transport Association
IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO - International Civil Aviation Organization
IECSC - Inventory of Existing Chemical Substances in China
IMDG - International Maritime Dangerous Goods
IMO - International Maritime Organization
ISO - International Organization for Standardization
KECI - Korean Existing Chemicals Inventory
LC50 - Lethal Concentration to 50% of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL - International Convention for the Prevention of Pollution from Ships
NFPA - National Fire Protection Association
NIOSH - National Institute for Occupational Safety and Health
n.o.s. - Not Otherwise Specified
NOAEC - No Observed Adverse Effect Concentration
NOAEL - No Observed Adverse Effect Level
NOELR - No Observable Effect Loading Rate
NTP - National Toxicology Program (United States)
NZIoC - New Zealand Inventory of Chemicals
OECD - Organization for Economic Cooperation and Development
OEL - Occupational exposure limits
OSHA - Occupational Safety and Health Administration of the US Department of Labor
PBT - Persistent, Bioaccumulative and Toxic substance
PICCS - Philippines Inventory of Chemicals and Chemical Substances
PMT - Persistent, Mobile, and Toxic
PPE - Personal protective equipment
QSAR - Quantitative Structure Activity Relationship
RID - Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT - Self-Accelerating Decomposition Temperature
SAR - Structure-activity relationship
SARA - Superfund Amendments and Reauthorization Act
SDS - Safety Data Sheet
SL - Surface Limit
STEL - Short Term Exposure Limit
STOT RE - Specific target organ toxicity - Repeated exposure
STOT SE - Specific target organ toxicity - Single exposure
TCSI - Taiwan Chemical Substance Inventory
TDG - Transport of Dangerous Goods (Canada)
TSCA - Toxic Substances Control Act (United States)

Key literature references and sources for data used to compile the SDS
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Issuing Date	06-09-2009
Revision Date	05-07-2025
Reason for Revision	Formulation, sections updated, formatting.

Disclaimer:
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and it is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET