




SAFETY DATA SHEET

Section 1. Identification

Manufacturer		Transportation Emergency (CHEMTREC)	:	1-800-424-9300	
CHS Inc.				CCN23163	
P.O. Box 64089					
Mail station 525		Technical Information	:	1-651-355-8443	
St. Paul, MN 55164-0089		SDS Information	:	1-651-355-8445	
Product name	:	ML-365 #0, #00, #1, #2; Corn Head Grease	SDS no.	:	0152-Aci140AQ
Common name	:	Grease, Multipurpose	Revision date	:	05/05/2020
Chemical name	:	Soap-Thickened Oil Lubricant	Chemical formula	:	Mixture
Chemical family	:	Hydrocarbon.			
<u>Relevant identified uses of the substance or mixture and uses advised against</u>					
Not available.					

Section 2. Hazards identification

OSHA/HCS status	:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).					
Classification of the substance or mixture	:	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A					
<u>GHS label elements</u>							
Hazard pictograms	:						
Signal word	:	Warning					
Hazard statements	:	H319 - Causes serious eye irritation.					
Precautionary statements							
General	:	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.					
Prevention	:	Wear eye or face protection. Wash thoroughly after handling.					
Response	:	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 or attention.					
Storage	:	Not applicable.					
Disposal	:	Not applicable.					
Hazards not otherwise classified	:	None known.					
Hazardous Material Information System (U.S.A.)	Health :	2	/	Flammability :	1	Physical hazards :	0
National Fire Protection Association (U.S.A.)	Health :	2		Flammability :	1	Instability :	0

Section 3. Composition/information on ingredients

Substance/mixture	: Mixture		
Chemical name	: Soap-Thickened Oil Lubricant		
Other means of identification	: Grease, Multipurpose		
Ingredient name	%	CAS number	
Distillates (petroleum), hydrotreated light naphthenic	≥90	64742-53-6	
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	≥1 - <2.5	68442-22-8	

The exact percentage (concentration) in the composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

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| Eye contact | : If material comes in contact with the eyes, immediately wash the eyes with large amounts of water for 15 minutes, occasionally lifting the lower and upper lids. Get medical attention. |
| Inhalation | : If person breathes in large amounts of material, move the exposed person to fresh air at once. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. Get medical attention as soon as possible. |
| Skin contact | : If the material comes in contact with the skin, wash the contaminated skin with soap and water promptly. If the material penetrates through clothing, remove the clothing and wash the skin with soap and water promptly. If irritation persists after washing, get medical attention immediately. |
| Ingestion | : If material has been swallowed, do not induce vomiting. Get medical attention immediately. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

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| Eye contact | : Causes serious eye irritation. |
| Inhalation | : No known significant effects or critical hazards. |
| Skin contact | : No known significant effects or critical hazards. |
| Ingestion | : No known significant effects or critical hazards. |

Over-exposure signs/symptoms

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| Eye contact | : Adverse symptoms may include the following: pain or irritation, watering, redness. |
| Inhalation | : Adverse symptoms may include the following: respiratory tract irritation, coughing. |
| Skin contact | : Adverse symptoms may include the following: irritation, redness. |
| Ingestion | : No known significant effects or critical hazards. |

Indication of immediate medical attention and special treatment needed, if necessary

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| Notes to physician | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| Specific treatments | : No specific treatment. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. |

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

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| Suitable extinguishing media | : Use water spray to cool fire exposed surfaces and to protect personnel. Foam, dry chemical or water spray (fog) to extinguish fire. |
| Unsuitable extinguishing media | : Do not use a solid water stream as it may scatter and spread fire. |
| Specific hazards arising from the chemical | : Toxic fumes gases or vapors may evolve on burning. |
| Hazardous thermal decomposition products | : No specific data. |
| Special protective actions for fire-fighters | : When fighting fires wear full turnout gear and self contained breathing apparatus. Water may cause splattering. Material floats on water. |
| Special protective equipment for fire-fighters | : Not applicable. |

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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| For non-emergency personnel | : Keep unnecessary and unprotected personnel from entering. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
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Methods and materials for containment and cleaning up

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| Spill | : Contain with dikes or absorbent to prevent migration to sewers/streams. Take up small spill with dry chemical absorbent; large spills may require pump or vacuum prior to absorbent. May require excavation of severely contaminated soil. |
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Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Conditions for safe storage, including any incompatibilities** : Store in closed container away from all ignition sources. Handling temperatures should not exceed 175°F (80°C). Wash thoroughly after handling. Odorous and toxic fumes may form from the decomposition of this product if stored at excessive temperatures for extended periods of time. Store in accordance with local regulations. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

United States

Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated light naphthenic	OSHA PEL (United States, 5/2018). TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 3/2018). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 10/2016). TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist

- Appropriate engineering controls** : Use only with adequate ventilation.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Recommended: Splash goggles and a face shield, where splash hazard exists.
- Skin protection**
- Hand protection** : 4 - 8 hours (breakthrough time): Nitrile gloves.
- Body protection** : Recommended: Long sleeved coveralls.
- Other skin protection** : Recommended: Impervious boots.
- Respiratory protection** : If ventilation is inadequate, use a NIOSH-certified respirator with an organic vapor cartridge and P95 particulate filter.

Section 9. Physical and chemical properties

Appearance	Relative density : 0.88 to 0.92
Physical state : Semi-solid gel, smooth texture	Evaporation rate : <1 (Butyl acetate = 1)
Color : Amber.	Solubility : Insoluble in the following materials: cold water and hot water.
Odor : Mild petroleum.	Solubility in water : Insoluble
Odor threshold : Not available.	Partition coefficient: n-octanol/water : Not available.
pH : Not available.	Auto-ignition temperature : Not available.
Melting point : Not available.	Decomposition temperature : Not available.
Boiling point : Not available.	SADT : Not available.
Flash point : Closed cup: >150°C (>302°F)	Viscosity : Not available.
Flammability : Not available.	Vapor pressure : <0.13 kPa (<1 mm Hg) (68°F)
Lower and upper explosive (flammable) limits : Not available.	Vapor density : Not available.

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: See handling and storage section.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials and acids.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated light naphthenic	LD50 Oral	Rat	>5000 mg/kg	-

Irritation/Corrosion

Skin	: Not hazardous (per manufacturer).
Eyes	: Not hazardous (per manufacturer).
Respiratory	: Not hazardous (per manufacturer).

Sensitization

Skin	: Not hazardous (per manufacturer).
Respiratory	: Not hazardous (per manufacturer).

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

There is no data available.

Information on the likely routes of exposure	: Dermal contact. Eye contact. Inhalation. Ingestion.
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Section 12. Ecological information

Toxicity

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{oc})	: There is no data available.
Other adverse effects	: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Section 14. Transport information

DOT IDENTIFICATION NUMBER Not applicable. **DOT proper shipping name** Not applicable.

DOT Hazard Class(es) Not applicable. **PG** Not applicable. **DOT-TDG EMER. RESPONSE GUIDE NO.** Not applicable

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined
United States inventory (TSCA 8b): All components are active or exempted.
Clean Water Act (CWA) 307: Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts

Clean Air Act Section 602 Class I Substances : Not listed **DEA List I Chemicals (Precursor Chemicals)** : Not listed
Clean Air Act Section 602 Class II Substances : Not listed **DEA List II Chemicals (Essential Chemicals)** : Not listed
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Hazard classifications : SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

Composition/information on ingredients

Name	Classification
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

SARA 313


Product name	CAS number	%
Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts	68442-22-8	1 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : The following components are listed: Distillates (petroleum), hydrotreated light naphthenic
New York : None of the components are listed.
New Jersey : The following components are listed: Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts
Pennsylvania : The following components are listed: Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts

California Prop. 65

 **WARNING:** This product can expose you to Crystalline silica, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Crystalline silica	-	-

Section 16. Other information**Revision date** : 05/05/2020**Supersedes** : 01/15/2014**Revised Section(s)** : 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.**Prepared by** : KMK Regulatory Services Inc.Notice to reader

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The CHS logo features the letters "CHS" in a serif font, with a stylized, curved line underneath the letters, resembling a drop or a swoosh.