SECTION 1: PRODUCT AND COMPANY INFORMATION

Company	Central Petroleum Company, 201 East Lincoln St., Walcott, IA 52773-0116		
Telephone	563-284-6221 M-F: 8:00-3:00 CT	**Fax**	563- 284-5124
Product Name(s)	Cen-Pe-Co 5th Wheel Grease		
Common Name	Lubricating Grease	**CAS**	Mixture
Use	Lubricating Grease	**Number**	

SECTION 2: HAZARD IDENTIFICATION

Hazards

Skin Irritation	Category 2 – Causes skin irritation
Eye Irritation	Category 2B – Causes eye irritation

Signal Word WARNING

Precautionary Statements
Wear protective gloves. Wash hands thoroughly after handling. Keep out of reach of children. Read label before use.
IF ON SKIN: Wash with plenty of water, take off contaminated clothing and wash it before reuse.
If skin irritation occurs, get medical advice/attention; Have product container or label at hand.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing. If eye irritation persists get medical advice/attention; Have product container or label at hand.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS NO.
Asphaltic Resin	Mixture
Zinc Naphthenate	12001-85-3

SECTION 4: FIRST AID MEASURES

Skin Contact
Wash exposed areas promptly with water. Remove contaminated clothing immediately and launder before reuse. Seek medical attention if irritation occurs and persists.

Eye Contact
Flush with water for 15 minutes. Seek medical attention if irritation occurs and persists.

Inhalation
Remove victim to fresh air. Seek immediate medical attention if symptoms persist.

Ingestion
If symptoms persist consult doctor.

Information for Doctor

Most important symptoms and effects, both acute and delayed - No further relevant information available.

Indication of any immediate medical attention and special treatment needed - No further relevant information available.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Agents: Use firefighting measures that suit the environment.

Special Hazards arising from the substance or mixture: No further relevant information available.

Advise for Firefighters Protective equipment: No special measures required

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions
Not required

Environmental Precautions
Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers, surface or ground water.
Methods and material for containment and cleaning up:
Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Handling:
Precautions for safe handling:
Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.
Information about protection against explosions and fires: Keep respiratory protective device available.
Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep receptacle tightly sealed.
Specific end use(s): No further relevant information available.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:	
64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic (50-100%)	
ACGIH TLV	Short-term value: 10 mg/m3 Long-term value: 5 mg/m3
OSHA PEL	Long-term value: 5 mg/m3
Asphaltic Resin (10-<20%)	
REL	Ceiling limit value: 5* mg/m3 *15-min; See Pocket Guide App.
TLV	A Short-term value: 10 mg/m3 Long-term value: 5 mg/m3 *inh.fraction; as benzene-soluble aerosol; BEIp
7782-42-5 Graphite (10-<25%)	
PEL	Long-term value: 15 mppcf* mg/m 3 *impinger samples counted by lightfield
REL	techn. Long-term value: 2.5* mg/m3 *respirable dust
TLV	Long-term value: 2* mg/m3 allforms except graphite fibers; *resp.fraction

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION (Continued)

Ingredients with biological limit values:	
Asphaltic Resin (10-<.20%)	
BEI	- Medium: urine Time: end of shift at end of workweek Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative)

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately.
Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product, the substance, the preparation.
Due to missing tests no recommendation to the glove material can be given for the product, the preparation, the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material:
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:
Tightly sealed goggles

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	
Form:	Semi-Solid
Color:	Grey
Odor:	Petroleum-like
Odor threshold:	Not determined
pH-value:	Not applicable
Change in condition	
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	370 °C (698 °F)
Flash point:	164 °C (327 °F)
Flammability (solid, gaseous):	Not determined
Ignition temperature:	245 °C (473 °F)
Decomposition temperature:	Not determined
Auto igniting:	Product is not self-igniting
Danger of explosion:	Product does not present an explosion hazard
Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Vapor pressure:	Not applicable
Density at 20 °C (68 °F):	1.05138 g/cm³ (8.774 lbs/gal)
Relative density:	Not determined
Vapor density:	Not applicable
Evaporation rate:	Not applicable
Solubility in / Miscibility with Water:	Insoluble

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Partition coefficient (n-octanol/water):	Not determined
Viscosity:	
Dynamic:	Not applicable
Kinematic:	Not applicable
Solvent content:	
Organic solvents:	0.0%
Solids content:	25.7%
Other Information:	No further relevant information available

SECTION 10: STABILITY AND REACTIVITY

Reactivity
Chemical stability

Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	No further relevant information available.
Incompatible materials:	No further relevant information available.
Hazardous decomposition products:	No dangerous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity:

LD/LC50 values that are relevant for classification

ATE (Acute Toxicity Estimates)

Oral	LD50	19300 mg/kg (rat)
Dermal	LD5	13550 mg/kg
Inhalativ	0	(rabbit) 2558

1201-85-3 Zinc Naphthenate

Oral	LD50	4920 mg/kg (rat)

Primary irritant effect
On the skin: No irritant effect.
On the eye: No irritating effect.
Sensitization: No sensitizing effects known.
Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations: Carcinogenic
Carcinogenic categories

IARC (International Agency for Research on Cancer):	Asphaltic Resin
NTP (National toxicology Program):	None of the ingredients is listed
OSHA-Ca (Occupational Safety & Health Administration):	None of the ingredients is listed.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability: No further relevant information available.
Behavior in environmental systems:
Bioaccumulative potential: No further relevant information available.
Mobility in soil: No further relevant information available.
Additional ecological information:
General notes:
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATION

Disposal instructions
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Contaminated packaging
Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

UN-Number DOT, ADN, IMDG, IATA:	Not regulated
UN-proper shipping name DOT, ADN, IMDG, IATA:	Not regulated
Transport hazard class(es) DOT, ADN, IMDG, IATA class:	Not regulated
Packing group DOT, IMDG, IATA:	Not regulated
Environmental hazards:	
Marine pollutant:	No
Special precautions for user:	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable
UN "Model Regulation":	-

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.

Sara

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (specific toxic chemical listings):

12001-85-3	Zinc Naphthenate	0.1-<1%
136-53-8	Zinc 2-ethylhexanoate	<0.1%

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65

Chemicals known to cause cancer:	None of the ingredients listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients listed.
Chemicals known to cause developmental toxicity:	None of the ingredients listed.

Carcinogenic categories

EPA (Environmental Protection Agency):	None of the ingredients listed.
TLV (Threshold Limit Value established by ACGIH)	Asphaltic Resin
NIOSH-Ca (National Institute for Occupational Safety and Health)	Asphaltic Resin

National regulations:

Information about limitation of use:
Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can the authorities in certain cases.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

This information has been compiled from sources considered to be dependable and is accurate to the best of our knowledge; however, Central Petroleum Company makes no warranty whatsoever, expressed or implied, of merchantability or fitness for particular purpose regarding the accuracy of such data or the results to be obtained from thereof Central Petroleum Company assumes no responsibility for injury to recipient or third persons or for any damage to any property and recipient assumes all such risks.