



SEMI FLUID 00 EP GREASE SDS

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name: BOSS EP 00 Semi Fluid Grease
Synonyms: Oil-based Grease
Restrictions on Use: None known.

Supplier

Boss Lubricants	Emergency Phone Number(s)
112, 6303 30 St. SE	Business: (800) 844-9457
Calgary, AB	Fax #: (403) 279-2272
T2C 1R4	www.bosslubricants.com
Issue Date: June 4, 2018	
Supersedes Issue Date: January 01, 2015	

Section 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture: The product is not classified according to the Globally Harmonized System (GHS).

Label elements

GHS label elements: Void
Hazard pictograms: Void
Signal word: Void
Hazard statements: Void

Classification system

NFPA ratings (scale 0 - 4)

Health: 0
Fire: 1
Reactivity: 0

HMIS ratings (scale 0-4)

Health: 0
Fire: 1
Reactivity: 0

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions.
Dangerous components: Void

CAS	Component Name	Percent
68457-79-4	Zinc Dialkylthiophosphate	0.1-2.5%
122-39-4	diphenylamine	0.1-2.5%





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Section 4: FIRST AID MEASURES

Description of first aid measures

General information: No special measures required.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact: Generally the product does not irritate the skin.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: 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: FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.
Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Not required.
Environmental precautions: Do not allow to enter sewers/ surface or ground water.
Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
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: No special measures required.
Information about protection against explosions and fires: No special measures required.
Conditions for safe storage, including any incompatibilities
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: None.
Specific end use(s): No further relevant information available.



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Section 8: EXPOSURE CONTROLS / 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: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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

Exposure controls

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.

Personal protective equipment

Breathing equipment: Not required.

Protection of hands: 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 can not 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: Goggles recommended during refilling.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Semi-Solid	Color:	Light brown
Odor:	Petroleum-like	Odor threshold:	Not determined.
pH-value:	Not determined.	Boiling point/Boiling range:	370 °C
Melting point/Melting range:	Undetermined.	Decomposition temperature:	Not determined.
Flash point:	255 °C	Evaporation rate	Not determined.
Ignition temperature:	>315 °C	Flammability (solid, gaseous):	Not applicable.
Auto igniting:	Product is not self-igniting	Danger of explosion:	Product does not present an explosion hazard.
<u>Explosion limits</u>		Solids content:	2.9 %
Lower:	Not determined.	Vapor pressure:	Not determined.
Upper:	Not determined.	Density at 20 °C:	0.88048 g/cm ³
Relative density	Not determined	Vapor density	Not determined
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.	Partition coefficient (n-octanol/water):	Not determined.
Viscosity (Kinematic):	Not determined.	Viscosity (Dynamic):	Not determined.
Other information	No further relevant information available.		





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Section 10: STABILITY AND REACTIVITY

Reactivity	No further relevant information available.
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 Estimate)

Oral LD50 >81,633 mg/kg

122-39-4 diphenylamine

Oral LD50 100 mg/kg (ATE)

Dermal LD50 300 mg/kg (ATE)

Inhalative LC50/4 h 3 mg/l (ATE)

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 is not subject to classification according to internally approved calculation methods for preparations. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): 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.





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Additional ecological information

General notes:

Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation: Smaller quantities can be disposed of with household waste.

Uncleaned packaging's

Recommendation: Disposal must be made according to official regulations.

Section 14: TRANSPORT INFORMATION

Basic Description: Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

DOT

Proper Shipping Name: Not regulated for transport.

UN Number: Not regulated for transport.

Hazard Class: Not regulated for transport.

Packing Group: Not regulated for transport.

TDG

Proper Shipping Name: Not regulated for transport.

UN Number: Not regulated for transport.

Hazard Class: Not regulated for transport.

Packing Group: Not regulated for transport.

IMDG

Proper Shipping Name: Not regulated for transport.

UN Number: Not regulated for transport.

Hazard Class: Not regulated for transport.

Packing Group: Not regulated for transport.

Marine Pollutant: Not regulated for transport.

IATA

Proper Shipping Name: Not regulated for transport.

UN Number: Not regulated for transport.

Hazard Class: Not regulated for transport.

Packing Group: Not regulated for transport.

International Bulk Chemical Code: This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.





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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):

68457-79-4	Zinc Dialkylthiophosphate	0.1-2.5%
122-39-4	diphenylamine	0.1-2.5%

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

Canadian substance listings

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

122-39-4	diphenylamine
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Canadian Ingredient Disclosure list (limit 1%): None of the ingredients is listed.

GHS label elements: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Section 16: OTHER INFORMATION

Date of preparation / last revision: June 04, 2018

Supersedes Issue Date: January 01, 2015

Revision Information: Update to SDS.

References

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|--------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| ACGIH: American Conference of Governmental Industrial Hygienists | IMDG: International Maritime Dangerous Goods |
| AIHA: American Industrial Hygiene Association | IUCLID: International Uniform Chemical Information Database |
| BOD: Biochemical Oxygen Demand | NFPA: National Fire Protection Association |
| °C: Celsius | NIOSH: National Institute for Occupational Safety and Health |
| CAS: Chemical Abstracts Service | NTP: National Toxicology Program |
| CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act | OSHA: Occupational Safety and Health Administration |
| CFR: Code of Federal Regulations | PEL: Permissible Exposure Limit |
| CPR: Controlled Products Regulations | RTK: Right-to-Know |
| DOT: United States Department of Transportation | SARA: Superfund Amendments and Reauthorization Act |
| DSL: Domestic Substances List | STEL: Short-term Exposure Limit |
| EPA: Environmental Protection Agency | TDG: Transportation of Dangerous Goods |
| °F: Fahrenheit | TLV: Threshold limit value |
| GHS: Globally Harmonized System of Classification and Labeling of Chemicals | TSCA: Toxic Substances Control Act |





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HMIS:	Hazardous Materials Identification System	TWA:	Time weighted average
IARC:	International Agency for Research on Cancer	UN:	United Nations
IATA:	International Air Transportation Association	vPvB:	Very Persistent, Very Bioaccumulative
IDLH:	Immediately Dangerous to Life or Health	WHMIS:	Workplace Hazardous Materials Information System

Disclaimer This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.