



Big Blue Ultra MP Grease SDS

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name: Big Blue Ultra MP Grease

Synonyms: Oil-based Grease

Restrictions on Use: None known.

Supplier

Boss Lubricants

112, 6303 30 St. SE

Calgary, AB

T2C 1R4

Issue Date: June 1, 2018

Supersedes Issue Date: January 01, 2015

Emergency Phone Number(s)

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Section 2: HAZARDS IDENTIFICATION

Classification in accordance with Schedule 1 of Canada's Hazardous Products Regulations (HPR) (SOR/2015-17) and



paragraph (d) of 29 CFR 1910.1200 in the United States: GHS08 Health hazard

Aspiration Hazard: Category 1 H304 May be fatal if swallowed and enters airways.

Label elements

GHS label elements: The product is classified and labeled according to the Globally Harmonized System (GHS).



Hazard pictograms:

Signal word: Danger

Hazard-determining components of labeling: Distillates (petroleum), hydrotreated heavy naphthenic Solvent naphtha (petroleum), heavy aroma.

Hazard statements: May be fatal if swallowed and enters airways.

Precautionary statements

P101: If medical advice is needed, have product container or label at hand. Keep out of reach of children.

P103: Read label before use.

P301+P310: If swallowed: Immediately call a poison center/doctor.

P331: Do NOT induce vomiting.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.



Big Blue Ultra MP Grease SDS

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.

CAS	Component Name	Percent
64742-52-5	Distillates (Petroleum), Hydro treated heavy naphthenic	25-50% w/w
68457-79-4	Zinc Dialkylthiophosphate	0.1-2.5%w/w
122-39-4	Diphenylamine	0.1-2.5%w/w

Section 4: FIRST AID MEASURES

Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of complaints.

Skin: Generally the product does not irritate the skin

Eye: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion: If symptoms persist consult a doctor.

Most Important Symptoms/Effects

Acute: No information on significant adverse effects.

Delayed: No information on significant adverse effects.

Information for Doctor

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.

Big Blue Ultra MP Grease SDS

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). Dispose contaminated material as waste according to item 13.

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 precautions are necessary if used correctly.

Information about protection against explosions and fires:

No special measures required.

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:

None.

Specific end use(s):

No further relevant information available.

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:

122-39-4 diphenylamine (0.1-2.5%):

EL Long-term value: 10 mg/m³

EV Long-term value: 10 mg/m³

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. Wash hands before breaks and at the end of work.

Breathing equipment:

Not required.

Big Blue Ultra MP Grease SDS

Protection of hands:	<p>The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.</p> <p>Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.</p> <p>Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation</p>
Material of gloves:	<p>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.</p>
Penetration time of glove material:	<p>The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p>
Eye protection:	<p>Goggles recommended during refilling.</p>

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance</u>		Odor:	Petroleum-like
Form:	Semi-Solid	Odor threshold:	Not determined.
Color:	Blue	pH-value:	Not determined.
<u>Change in condition</u>		Flash point:	>163 °C
Melting point/Melting range:	Undetermined.	Flammability (solid, gaseous):	Not applicable.
Boiling point/Boiling range:	370 °C	Ignition temperature:	>315 °C
Decomposition temperature:	Not determined.	Danger of explosion:	Product does not present an explosion hazard.
Auto igniting:	Product is not selfigniting.	Vapor pressure:	Not determined.
<u>Explosion limits</u>		Density at 20 °C:	0.91002 g/cm ³
Lower:	Not determined.	Relative density:	Not determined.
Upper:	Not determined.	Vapor density:	Not determined.
Evaporation rate:	Not determined.	Partition coefficient (n-octanol/water):	Not determined.
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.	<u>Solvent content</u>	
<u>Viscosity</u>		Solids content:	12.4 %
Dynamic:	Not determined.	Other information:	No further relevant information available.
Kinematic:	Not determined.		

Big Blue Ultra MP Grease SDS

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)

Dermal LD50 >84,034 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:

Skin: No irritant effect.

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 categories

IARC: None of the ingredients is listed.

NTP: 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.



Big Blue Ultra MP Grease SDS

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

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.

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 0.1-2.5%

Canadian Ingredient Disclosure list (limit 1%): None of the ingredients is listed.

Big Blue Ultra MP Grease SDS

Section 16: OTHER INFORMATION

Issue Date: June 1, 2018
Supersedes Issue Date: January 01, 2015
Revision Information: Update to SDS.

References

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

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.