

Safety Data Sheet

Product identifier used on the label: **PERFECT STOP DOT4 BRKFL 12/12OZ**

Stock Number: PS21BF12

Revision Date: 01-11-2017

Replaces:

1. Identification

Product identifier used on the label:

PERFECT STOP DOT4 BRKFL 12/12OZ

Stock Number:

PS21BF12

Other means of identification:

Synonyms:

No data available

Recommended use of the chemical and restrictions on use:

Recommended use:

Brake Fluid

Restrictions on use:

Uses other than those described above

Name, address, and telephone number
of the chemical manufacturer,
importer, or other responsible party:

Warren Distribution, Inc.

727 S. 13th Street

Omaha, NE 68102

Phone number:

+01 (800) 825-1235

+01 (402) 341-9397

E-mail address:

sds@wd-wpp.com

Emergency phone number:

CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard
Symbols:



GHS Classification:

Serious Eye Damage/Eye Irritation Category 1

Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure
Category 2

Signal Word:

Danger

Hazard Statements:

Causes serious eye damage; May cause damage to organs through
prolonged or repeated exposure

Precautionary Statements:

Prevention:

Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective
gloves/protective clothing/eye protection/face protection.

Response:

If in eyes: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing. Immediately
call a POISON CENTER/doctor.

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

Hazards not otherwise classified: No data available

% unknown toxicity (Inhalation Gas): 100 % of the mixture consists of ingredient(s) of unknown toxicity.

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Ethanol, 2-(2-(2-butoxyethoxy)ethoxy)-	No data available	143-22-6	1 - 5
Diethylene glycol	No data available	111-46-6	1 - 5
Polyethylene glycol	No data available	25322-68-3	1 - 5

One or more hazardous ingredient(s) is claimed as a trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS.

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

Eye Contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Seek medical attention immediately or call the Poison control center. Do not induce vomiting. If patient is fully conscious, give up to two glasses of water. Provide medical care provider with this SDS.

Most important symptoms/effects, acute and delayed: Causes serious eye damage May cause damage to organs through prolonged or repeated exposure

Indication of immediate medical attention and special treatment needed, if necessary: Immediately call a POISON CENTER/doctor.

5. Fire-fighting measures

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Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

Unsuitable extinguishing media: No data available

Specific hazards arising from the chemical: No data available

Hazardous combustion products: Carbon dioxide, Carbon monoxide

Special protective equipment and precautions for fire-fighters: No data available

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.

Methods and materials for containment and cleaning up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center.

7. Handling and storage

Precautions for safe handling: Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer. No data available

Conditions for safe storage, including any incompatibilities:

Safe storage conditions: Do not store in direct sunlight. Store in a cool dry place. Isolate from incompatible materials.

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Materials to Avoid/Chemical Incompatibility:

Strong oxidizing agents, Heat, sparks, or other sources of ignition.

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH
No data available				

Appropriate engineering controls:

Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort. Ventilation is required to maintain worker comfort and ensure employees are not overexposed.

Individual protection measures, such as personal protective equipment:

Respiratory Protection:

Do not breathe dust/fume/gas/mist/vapors/spray.

Respirator Type(s):

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye protection:

Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves:

Butyl rubber, Polyethylene

General hygiene conditions:

Wear protective gloves/protective clothing/eye protection/face protection.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state:

Liquid

Color:

Colorless to pale amber

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Odor:	Mild
Odor Threshold:	Not determined
pH:	8.6
Melting point/freezing point:	
Melting Point:	No data available
Freezing point:	No data available
Initial boiling point and boiling range (°C):	275
Flash Point (°C):	121
Flash Point Method:	ASTM D93
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammability or explosive limits:	Not established
Lower flammability or explosive limits:	Not established
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	1.07
Solubility(ies):	Complete; 100%
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	No data available
Decomposition Temperature:	305
Viscosity:	No data available
Volatile organic compound (VOC) content and percentage of volatiles:	0.000000

10. Stability and reactivity

Reactivity:	No data available
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No data available
Conditions to avoid (e.g., static	Temperatures above the high flash point of this combustible material in

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discharge, shock, or vibration):	combination with sparks, open flames, or other sources of ignition.
Incompatible materials:	Strong oxidizing agents, Heat, sparks, or other sources of ignition.
Hazardous decomposition products:	No data available

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):	Eye Contact
Symptoms related to the physical, chemical and toxicological characteristics:	Causes serious eye damage May cause damage to organs through prolonged or repeated exposure

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion Toxicity:	Although this product has a low order of acute oral toxicity, aspiration of minute amounts into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.
Skin Contact:	This material is estimated to be slightly irritating (Primary Irritation Index is 0.5 - 3.0 [rabbits]).Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Absorption:	Likely to be practically non-toxic based on animal data.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs"). Likely to be practically non-toxic based on animal data.
Eye Contact:	Causes serious eye damage
Sensitization:	No data available
Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Carcinogenicity:	None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.
STOT-single exposure:	Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.
STOT-repeated exposure:	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard:	Non-hazardous under Aspiration category.
Other information:	No data available

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Numerical measures of toxicity (such as acute toxicity estimates):

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol, 2-(2-(2-butoxyethoxy)ethoxy)-	OLD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit = 3480 mg/kg	No data available
Diethylene glycol	OLD50 Rat 1120 mg/kg	Dermal LD50 Rabbit = 11890 mg/kg	Inhalation LC50 (4h) Rat > 4.6 mg/L
Polyethylene glycol	No data available	Dermal LD50 Rabbit > 20 ml/kg	No data available

Is the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer.			

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available): No data available

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
No data available				

Persistence and degradability: Biodegrades at a moderate rate.

Bioaccumulative potential: Bioconcentration is not expected to occur.

Mobility in soil: This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

Other adverse effects (such as hazardous to the ozone layer): No data available

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the Dispose of contents and container in accordance with local/regional/national/international regulations.

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disposal of any contaminated
packaging:

Contaminated packaging:

Empty containers may contain residues. Dispose of in the same way as waste product.

14. Transport information

Carriage of dangerous goods by road (DOT), rail or inland waterways:

No data available

International carriage of dangerous goods by sea (IMDG/IMO):

No data available

International carriage of dangerous goods by air (IATA):

No data available

Environmental hazards (e.g., Marine
pollutant (Yes/No)):

None.

Transport in bulk (according to Annex II
of MARPOL 73/78 and the IBC Code):

No data available

Special precautions which a user needs
to be aware of or needs to comply with
in connection with transport or
conveyance either within or outside
their premises:

No data available

15. Regulatory information

Safety, health and environmental regulations specific for the product in question:

TSCA Status:

All components of this material are on the US TSCA Inventory or are exempt.

Regulated Components:

Chemical Name	CAS #	CERCLA	Sara EHS	Sara 313	U.S. HAP
Triethylene glycol monomethyl borate ester	71243-41-9	N	N	N	N
Ethanol, 2-(2-(2-methoxyethoxy)ethoxy)-	112-35-6	N	N	N	N
Polyethylene glycol	9004-74-4	N	N	N	N

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methyl ether					
Diethylene glycol	111-46-6	N	N	N	N
Ethanol, 2-(2-(2-butoxyethoxy)ethoxy)-	143-22-6	N	N	N	N
Polyethylene glycol	25322-68-3	N	N	N	N
Tetraethylene glycol	112-60-7	N	N	N	N
Tetraethylene glycol monobutyl ether	1559-34-8	N	N	N	N

Chemical Name	CAS #	California Prop 65 - Cancer	California Prop 65 - Dev. Toxicity	California Prop 65 - Reprod fem	California Prop 65 - Reprod male
Triethylene glycol monomethyl borate ester	71243-41-9	N	N	N	N
Ethanol, 2-(2-(2-methoxyethoxy)ethoxy)-	112-35-6	N	N	N	N
Polyethylene glycol methyl ether	9004-74-4	N	N	N	N
Diethylene glycol	111-46-6	N	N	N	N
Ethanol, 2-(2-(2-butoxyethoxy)ethoxy)-	143-22-6	N	N	N	N
Polyethylene glycol	25322-68-3	N	N	N	N
Tetraethylene glycol	112-60-7	N	N	N	N
Tetraethylene glycol monobutyl ether	1559-34-8	N	N	N	N

Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Triethylene glycol monomethyl borate ester	71243-41-9	N	N	N	N	N
Ethanol, 2-(2-(2-methoxyethoxy)ethoxy)-	112-35-6	N	N	N	N	N

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Polyethylene glycol methyl ether	9004-74-4	N	N	N	N	N
Diethylene glycol	111-46-6	N	N	Y	N	Y
Ethanol, 2-(2-(2-butoxyethoxy)ethoxy)-	143-22-6	N	N	N	N	N
Polyethylene glycol	25322-68-3	N	N	N	N	Y
Tetraethylene glycol	112-60-7	N	N	N	N	N
Tetraethylene glycol monobutyl ether	1559-34-8	N	N	N	N	N

16. Other information, including date of preparation or last revision.

SDS Prepared by:

TPRUETT

Revision Date:

01-11-2017

Revision Number:

37

Reason for revision:

NEW VERSION

References:

No data available

Other Info:

No data available

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.