

acc. to OSHA, Appendix D to § 1910.1200

D76 Blush Wheel Cleaner

Version number: GHS 4.0 Replaces version of: 2018-02-12 (GHS 3)

SECTION 1: Identification

- 1.1 Product identifier
 - Trade name

- D76 Blush Wheel Cleaner
- **1.2** Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses vehicle wheel cleaner
- 1.3 Details of the supplier of the safety data sheet B&B Blending, LLC 10963 Leroy Drive Northglenn CO 80233 United States

Telephone: 1.800.875.6320, 1.303.289.6320 Telefax e-mail: info@bbblending.com Website: bbblending.com

Competent person responsible for the SDS

e-mail (competent person)

1.4 Emergency telephone number Emergency information service Robert Blahnik bblahnik@bbblending.com

USA 1.800.535.5053, INTL 1.352.323.3500 24 hour emergency telephone number.

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification. This mixture does not meet the criteria for classification as hazardous according to OSHA, Appendix D to 1910.1200.

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200) not required

2.3 Other hazards

There is no additional information.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures Description of the mixture





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Name of substance	Identifier	Wt%	Hazard c	class and category	Hazard state- ment
2-(2-butoxyethoxy)ethanol	CAS No 112-34-5	1-<5	A.3	Eye Irrit. 2	H319
polyethylene glycol (5) undecyl ether	CAS No 34398-01-1	1-<5	A.10	Acute Tox. 4	H302

For full text of abbreviations: see SECTION 16. Exact percentage of ingredients is withheld as a trade secret.

SECTION 4: First-aid measures

4.1

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

Provide fresh air.

Following skin contact

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

Following eye contact

Irrigate copiously with clean, fresh water, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO2)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO2)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.

Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities Managing of associated risks Incompatible substances or mixtures

Observe compatible storage of chemicals.



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Control of the effects

Protect against external exposure, such as

frost

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Physical state Color Odor Other physical and chemical parameters pH (value) Melting point/freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability (solid, gas) **Explosive limits** Vapor pressure Density Solubility(ies) Water solubility Partition coefficient n-octanol/water (log KOW) Auto-ignition temperature

liquid colorless to pale pink characteristic - slightly sulfurous

6 – 8 not determined 100 °C not determined (closed cup) not determined not relevant (fluid) not determined 31.69 hPa at 25 °C 1.048 – 1.05 ^g/_{ml}

miscible in any proportion

this information is not available 210 °C not determined none none

SECTION 10: Stability and reactivity

10.1 Reactivity

Viscosity

Explosive properties

Oxidizing properties

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions No known hazardous reactions.

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10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Physical stresses which might result in a hazardous situation and have to be avoided strong shocks



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10.5 Incompatible materials

oxidizers

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
polyethylene glycol (5) undecyl ether	34398-01-1	oral	1,400 ^{mg} / _{kg}

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Carcinogenicity

- National Toxicology Program (United States):
- IARC Monographs
- OSHA Carcinogens (United States)

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

none of the ingredients are listed none of the ingredients are listed none of the ingredients are listed



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SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
2-(2-butoxyethoxy)ethanol	112-34-5	LC50	1,300 ^{mg} / _l	fish	96 h
2-(2-butoxyethoxy)ethanol	112-34-5	EC50	>100 ^{mg} / _l	aquatic inverteb- rates	48 h
2-(2-butoxyethoxy)ethanol	112-34-5	ErC50	>100 ^{mg} / _l	algae	96 h
polyethylene glycol (5) undecyl ether	34398-01-1	EC50	>1 ^{mg} / _l	fish	48 h

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
2-(2-butoxyethoxy)ethanol	112-34-5	oxygen depletion	85 %	28 d

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
2-(2-butoxyethoxy)ethanol	112-34-5		1 (pH value: 7, 20 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment Data are not available.

Data are not available.

12.6 Other adverse effects

Data are not available.



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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

4.1	UN number	(not subject to transport regulations)
4.2	UN proper shipping name	not relevant
4.3	Transport hazard class(es) Class	
4.4	Packing group	not relevant
4.5	Environmental hazards	NONE (non-environmentally hazardous acc. to the dangerous goods regulations)
4.6	Special precautions for user There is no additional information.	
4.7	Transport in bulk according to Annex II of MAF The cargo is not intended to be carried in bulk.	

National regulations (United States)	
Toxic Substance Control Act (TSCA)	all ingredients are listed or exempt from listing
SARA TITLE III (Superfund Amendment and Reautho	rization Act)
List of Extremely Hazardous Substances (40 CFR 355) (EF 302 and 304)	CRA Section none of the ingredients are listed
Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Se	ection 313) none of the ingredients are listed
CERCLA (Comprehensive Environmental Response,	Compensation, and Liability Act)
Section 102(A) Hazardous Substances (40 CFR 302.4)	none of the ingredients are listed
Clean Air Act	none of the ingredients are listed
Drug precursors, Controlled Substances Act (21 U.S.C. § 802)	none of the ingredients are listed



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Industry or sector specific available guidance(s) NPCA-HMIS® III

Hazardous Materials Identification System (American Coatings Association)

Category	Rating	Description
Chronic	/	None.
Health	0	No significant risk to health.
Flammability	1	Material that must be preheated before ignition can occur.
Physical hazard	1	Material that is normally stable but can become unstable (self-react) at high temperatures and pres- sures. Material may react non-violently with water or undergo hazardous polymerization in the ab- sence of inhibitors.
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States)

Category	Degree of hazard	Description
Flammability	1	Material that must be preheated before ignition can occur.
Health	0	Material that, under emergency conditions, would offer no hazard beyond that of ordinary combust- ible material.
Instability	0	Material that is normally stable, even under fire conditions.
Special hazard		

Right to Know Hazardous Substance List Proposition 65 List of chemicals

none of the ingredients are listed none of the ingredients are listed

SECTION 16: Other information, including date of preparation or last revision

16.1 Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety- relevant
1.1	Registration number (REACH): not relevant (mixture)		yes
1.3	Details of the supplier of the safety data sheet: B&B Blending, LLC 10963 Leroy Drive CO 80233 Northglenn United States Telephone: 1.800.875.6320, 1.303.289.6320 e-mail: info@bbblending.com Website: bbblending.com	Details of the supplier of the safety data sheet: B&B Blending, LLC 10963 Leroy Drive Northglenn CO 80233 United States Telephone: 1.800.875.6320, 1.303.289.6320 Telefax e-mail: info@bbblending.com Website: bbblending.com	yes
1.4	Emergency information service: USA 1.800.535.5053, INTL 1.352.323.3500 24 hour emergency number	Emergency information service: USA 1.800.535.5053, INTL 1.352.323.3500 24 hour emergency telephone number.	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relevant
2.1	Classification according to Regulation (EC) No 1272/2008 (CLP): This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): This mixture does not meet the criteria for classification. This mixture does not meet the criteria for classification as hazardous according to OSHA, Appendix D to 1910.1200.	yes
3.2		Description of the mixture: change in the listing (table)	yes
3.2		Description of the mixture: change in the listing (table)	yes
4.1	Following inhalation: If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.	Following inhalation: Provide fresh air.	yes
4.1	Following skin contact: Wash with plenty of soap and water.	Following skin contact: After contact with skin, take off immediately all contamin- ated clothing, and wash immediately with plenty of water.	yes
4.1	Following eye contact: Remove contact lenses, if present and easy to do. Contin- ue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.	Following eye contact: Irrigate copiously with clean, fresh water, holding the eye- lids apart. Remove contact lenses, if present and easy to do. Continue rinsing.	yes
4.2	Most important symptoms and effects, both acute and delayed: Symptoms and effects are not known to date.		yes
4.3	Indication of any immediate medical attention and spe- cial treatment needed: none		yes
8.1	Relevant DNELs/DMELs/PNECs and other threshold levels	Relevant DNELs/DMELs/PNECs and other threshold levels: No data available.	yes
8.1	relevant DNELs of components of the mixture		yes
8.1		relevant DNELs of components of the mixture: change in the listing (table)	yes
9.1	Flash point: not determined	Flash point: not determined (closed cup)	yes
11.1	Classification according to GHS (1272/2008/EC, CLP): This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.	Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): This mixture does not meet the criteria for classification.	yes
11.1		Carcinogenicity	yes
11.1		National Toxicology Program (United States): none of the ingredients are listed	yes
11.1	relevant PNECs of components of the mixture	IARC Monographs: none of the ingredients are listed	yes
8.1		relevant PNECs of components of the mixture: change in the listing (table)	yes
11.1		OSHA Carcinogens (United States): none of the ingredients are listed	yes
12.1	Aquatic toxicity (acute)	Aquatic toxicity (acute): Shall not be classified as hazardous to the aquatic envir- onment.	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relevant
12.3		Bioaccumulative potential of components of the mixture: change in the listing (table)	yes
12.3		Bioaccumulative potential of components of the mixture: change in the listing (table)	yes
12.6	Endocrine disrupting potential: None of the ingredients are listed.		yes
13.1	Waste treatment of containers/packages: It is a dangerous waste; only packagings which are ap- proved (e.g. acc. to ADR) may be used. Completely emp- tied packages can be recycled. Handle contaminated packages in the same way as the substance itself.	Waste treatment of containers/packages: Completely emptied packages can be recycled. Handle contaminated packages in the same way as the sub- stance itself.	yes
15.1	Relevant provisions of the European Union (EU)		yes
15.1	Restrictions according to REACH, Annex XVII		yes
15.1		Restrictions according to REACH, Annex XVII: change in the listing (table)	yes
15.1	List of substances subject to authorization (REACH, Annex XIV): None of the ingredients are listed.		yes
15.1	Limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (2004/42/EC, Deco-Paint Directive)		yes
15.1	VOC content: 9.52 %		yes
15.1	Directive on industrial emissions (VOCs, 2010/75/EU)		yes
15.1	VOC content: 5.7 %		yes
15.1	Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR): None of the ingredients are listed.		yes
15.1	Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD): None of the ingredients are listed.		yes
15.1		National regulations (United States)	yes
15.1		Toxic Substance Control Act (TSCA): all ingredients are listed or exempt from listing	yes
15.1		SARA TITLE III (Superfund Amendment and Reauthoriz- ation Act)	yes
15.1		List of Extremely Hazardous Substances (40 CFR 355) (EPCRA Section 302 and 304): none of the ingredients are listed	yes
15.1		Specific Toxic Chemical Listings (40 CFR 372) (EPCRA Section 313): none of the ingredients are listed	yes
15.1		CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)	yes
15.1		Section 102(A) Hazardous Substances (40 CFR 302.4): none of the ingredients are listed	yes



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Section	Former entry (text/value)	Actual entry (text/value)	Safety- relevant
15.1		Clean Air Act: none of the ingredients are listed	yes
15.1	Regulation 648/2004/EC on detergents	Drug precursors, Controlled Substances Act (21 U.S.C. § 802): none of the ingredients are listed	yes
15.1		Labelling of contents: change in the listing (table)	yes
15.2	Chemical Safety Assessment: Chemical safety assessments for substances in this mix- ture were not carried out.		yes
15.1		Industry or sector specific available guidance(s)	yes
15.1		NPCA-HMIS® III: Hazardous Materials Identification System (American Coatings Association)	yes
15.1		NPCA-HMIS® III: change in the listing (table)	yes
15.1		NFPA® 704: National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emer- gency Response (United States)	yes
15.1		NFPA® 704: change in the listing (table)	yes
15.1		Right to Know Hazardous Substance List: none of the ingredients are listed	yes
15.1		Proposition 65 List of chemicals: none of the ingredients are listed	yes
16.2		Abbreviations and acronyms: change in the listing (table)	yes
16.3	Key literature references and sources for data: - Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU - Regulation (EC) No. 1272/2008 (CLP, EU GHS)	Key literature references and sources for data: - OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200 - 49 CFR § 172.101 Hazardous Materials Table (DOT)	yes
16.5		List of relevant phrases (code and full text as stated in chapter 2 and 3)	yes

Abbreviations and acronyms 16.2

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	Chemical oxygen demand
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level



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Abbr.	Descriptions of used abbreviations
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
IARC Monographs	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans
log KOW	n-Octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA® 704	National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
РВТ	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
vPvB	Very Persistent and very Bioaccumulative

16.3 Key literature references and sources for data

- OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200
- 49 CFR § 172.101 Hazardous Materials Table (DOT)

16.4 Classification procedure

Physical and chemical properties: The classification is based on tested mixture. Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

16.5

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H302	Harmful if swallowed.
H319	Causes serious eye irritation.

16.7

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.