

Safety Data Sheet
According to Hazard Communication Standard (29 CFR 1910.1200)

SEBO duo-P

Issue date: 03/02/2015

Version 1.0

Revision date: 03/02/2015

1. Identification

Product name SEBO duo-P
Synonyms -
CAS # See section 3
Product code -
Product use Carpet cleaner.
Manufacturer/Supplier
Supplier(Manufacturer): SEBO America, LLC
Address: 7472 S. Tucson Way, Suite 190
80112 Centennial, Colorado
Contact person(E-mail): -
Telephone: -
Fax: -
Emergency telephone Number: 800-334-6614

2. Hazard(s) identification

GHS classification

Physical hazards	Not classified	
Health hazards	Serious eye damage/eye irritation	Category 2A
Environmental hazards	Not classified	

GHS label elements

Hazard Pictograms



Signal word	Warning
Hazard statement	Causes serious eye irritation.
Precautionary statement	
Prevention	Wash thoroughly after handling. Wear 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. If eye irritation persists: Get medical advice/attention.
Storage	Not applicable.
Disposal	Not applicable.

3. Composition / information on ingredients

Components	CAS#	Percent
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propan-2-ol	67-63-0	5-10%
ethanol	64-17-5	1-5%
Sulfuric acid, mono-C10-14-alkyl esters, sodium salts	90583-28-1	0.1-1%
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	0.1-0.5%
Hydrocarbons	N/A	0.1-0.5%
(R)-p-mentha-1,8-diene	5989-27-5	0.1-0.5%

4. First-aid Measures

First aid procedures

Eye contact	Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Skin contact	Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.
Inhalation	Supply person with fresh air and consult doctor according to symptoms.
Ingestion	Rinse the mouth thoroughly with water. Give copious water to drink - consult doctor immediately.
Notes to physician	Treat symptoms.

5. Fire-fighting measures

Flammable properties

Not available.

Extinguishing media

Suitable extinguishing media

Cool container at risk with water.
Water jet spray/foam/CO2/dry extinguisher.

Unsuitable extinguishing media

Not available.

Firefighting equipment/instructions

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire, full protection, if necessary. Dispose of contaminated extinction water according to official regulations.

Hazardous combustion products

Oxides of carbon, oxides of nitrogen, toxic gases.

6. Accidental release measures

Personal precautions

Ensure sufficient supply of air. Remove possible causes of ignition - do not smoke. Avoid contact with eyes or skin. For personal protection see section 8.

Environmental precautions

If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent from entering drainage system. If accidental entry into drainage system occurs, inform responsible authorities.

Methods for cleaning up

Pick up mechanically and dispose of according to Section 13.

7. Handling and storage

Handling

Ensure good ventilation. Avoid contact with skin and eyes. Avoid long lasting or intensive contact with skin. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. For precautions see section 2.2.

Storage

Keep out of access to unauthorised individuals. Not to be stored in gangways or stair wells. Store product closed and only in original packing. Store in a dry

place.

8. Exposure controls / personal protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Source	Ingredient	TWA	STEL	Peak
US OSHA Permissible Exposure Levels (PELs) - Table Z1	propan-2-ol	980 mg/m ³ / 400 ppm	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	propan-2-ol	200 ppm	400 ppm	Not Available
US NIOSH Recommended Exposure Limits (RELs)	propan-2-ol	980 mg/m ³ / 400 ppm	1225 mg/m ³ / 500 ppm	Not Available
US OSHA Permissible Exposure Levels (PELs) - Table Z1	ethanol	1900 mg/m ³ / 1000 ppm	Not Available	Not Available
US ACGIH Threshold Limit Values (TLV)	ethanol	Not Available	1000 ppm	Not Available
US NIOSH Recommended Exposure Limits (RELs)	ethanol	1900 mg/m ³ / 1000 ppm	Not Available	Not Available

EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
propan-2-ol	400 ppm	400 ppm	12000 ppm
ethanol	Not Available	Not Available	Not Available
(R)-p-mentha-1,8-diene	20 ppm	20 ppm	160 ppm

Ingredient	Original IDLH	Revised IDLH
propan-2-ol	12,000 ppm	2,000 [LEL] ppm
ethanol	15,000 ppm	3,300 [LEL] ppm
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Not Available	Not Available
(R)-p-mentha-1,8-diene	Not Available	Not Available

Exposure controls:

Appropriate engineering controls:

Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.

Individual protection measures, such as personal protective equipment:

Eye / face protection

With danger of contact with eyes. Tight fitting protective goggles with side protection (EN 166).

Skin protection

Chemical resistant protective gloves (EN 374). If applicable, Protective Neoprene® /

polychloroprene gloves (EN 374). Protective nitrile gloves (EN 374) Minimum layer thickness in mm: 0,5. Permeation time (penetration time) in minutes: >= 480.

Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection

If OES or MEL is exceeded. Filter A P2 (EN 14387), code colour brown, white. Observe wearing time limitations for respiratory protection equipment.

General hygiene considerations

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical and chemical properties

Appearance

Physical state	Solid
Form	Powder
Color	Yellow
Odor	Perfumed
Odor threshold	Not available
pH	Not available
Vapor pressure	Not available
Melting point/Freezing point	Not available
initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosion limits	Not available
Vapor density	Not available
Relative density	Not available
Bulk density	192 kg/m3 (ISO 697)
Solubility (water)	Insoluble
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Specific gravity	Not available
Density	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	Not available
Explosive properties	Product is not explosive

Oxidising properties

No

10. Stability and reactivity

Chemical stability

Material is stable under normal conditions.

Conditions to avoid

Incompatible materials. Strong heat. Protect from humidity.

Incompatible materials

Not available.

Hazardous decomposition products

Oxides of carbon, oxides of nitrogen, toxic gases.

Possibility of hazardous reactions

No dangerous reactions are known.

11. Toxicological information

Toxicokinetics, metabolism and distribution:

Non-human toxicological data:

Not available

Information on toxicological effects:

Acute toxicity:

propan-2-ol (CAS#67-63-0)

LD50(Oral, Rat):

5840 mg/kg

LD50(Dermal, Rabbit):

13900 mg/kg

LC50(Inhalation, Rat):

30 mg/l/4h

Skin corrosion/Irritation:

Not classified.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitization:

Not classified

Germ cell mutagenicity:

Not classified

Carcinogenicity:

Not classified

Reproductive toxicity:

Not classified

STOT- single exposure:

Not classified

STOT-repeated exposure:

Not classified

Aspiration hazard:

Not classified

12. Ecological information

Toxicity:

propan-2-ol (CAS#67-63-0)

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	9640 mg/l	96h	Fish	OECD 203	N/A	N/A
EC50	13299 mg/l	48h	Daphnia	OECD 202	N/A	N/A
EC50	>1000 mg/l	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability:

Not available.

Bioaccumulative potential:

Not available.

Mobility in soil:

The product is insoluble in water.

Results of PBT&vPvB assessment:

Not available.

Other adverse effects:

No known significant effects or critical hazards.

13. Disposal considerations

Disposal instructions

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

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings

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even after container is emptied.

14. Transport information

DOT

Basic shipping requirements:

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	No

IATA

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

IMDG

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

15. Regulatory information

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

propan-2-ol (67-63-0) is found on the following regulatory lists	"US - Idaho - Limits for Air Contaminants" listed. "US- Hawaii Air Contaminant Limits" listed. "US - Washington Toxic air pollutants and their ASIL, SQER and de minimis emission values" listed. "US - Alaska Limits for Air Contaminants" listed. "US Spacecraft Maximum Allowable Concentrations (SMACs) for Airborne Contaminants" listed. US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" listed. "US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants" listed.
ethanol (64-17-5) is found on the following regulatory lists	"US - Idaho - Limits for Air Contaminants" listed. "US - Hawaii Air Contaminant Limits" listed. "US - Alaska Limits for Air Contaminants" listed. "US Spacecraft Maximum Allowable Concentrations (SMACs) for Airborne Contaminants" listed. "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" listed.

	"US - Wyoming Toxic and Hazardous Substances Table Z1 Limits for Air Contaminants" listed.
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts (68439-57-6) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" listed.
(R)-p-mentha-1,8-diene (5989-27-5) is found on the following regulatory lists	US Spacecraft Maximum Allowable Concentrations (SMACs) for Airborne Contaminants" listed. "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" listed.

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

HMIS® ratings

Health: 2
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

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