

Material Safety Data Sheet
According to
Regulation (EC) 1907/2006 (REACH)



DUB DIOL

Version : 3.01
Revision date : 2012/04/16

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A Material Safety Data Sheet is not required for this product according to article 31 of Regulation (EC) 1907/2006 (REACH). This document is issued to communicate information when a MSDS is not required according to article 32 of REACH.

1. Indication of the substance/mixture and of the company

Commercial Name: **DUB DIOL**

Chemical designation: Methylpropanediol

REACH registration N°: 01-0000015964-61-0000

Uses: Cosmetic

Supplier's Address: STEARINERIE DUBOIS Fils
696 rue Yves Kermen
92658 Boulogne Billancourt Cedex / FRANCE
Tel : + 33 1 46 10 07 30 – Fax : + 33 1 49 10 99 48
dubois@stearinerie-dubois.fr

Emergency Contact: Orfila : +33 1 45 42 59 59

2. Hazards identification

Classification / labelling according to regulation 1272/2008/EC (CLP)

This substance is not classified or labelled hazardous according to regulation 1272/2008/EC and its amendments.

Classification / labelling according to Directive 1967/548/EEC

This substance is not classified or labelled hazardous according to directive 1967/548/EEC and its amendments.

Results of PBT/vPvB assessment :

This substance does not meet the PBT / vPvB criteria of Annex XIII of REACH.

3. Composition/Information on the components

Chemical name	N°CAS	Dir. 67/548/EEC	Regl. (EC) 127 2/2008
Methylpropanediol	2163-42-0	Not classified	Not classified

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4. First-Aid Measures

Skin contact:	Remove contaminated clothing and wash skin with plenty of soap and water.
Eyes contact:	Not expected to present a significant eye contact hazard under anticipated conditions of normal use. Flush eyes thoroughly with water for several minutes and seek medical attention if discomfort persists.
Ingestion:	Ingestion unlikely. However, if ingested, obtain emergency medical attention.
Note to doctors:	Do not induce vomiting. Delivery an aqueous suspension of activated carbon, then a cathartic such as sorbitol or magnesium citrate. Symptomatic treatment.
Inhalation:	If overcome by exposure, remove victim to fresh air immediately. Call a doctor. Give artificial respiration if not breathing.
Facilities at working place:	Eye-wash facility.

5. Fire-Fighting measures

Suitable extinguishing means:	SMALL FIRE: Use dry chemical powders, CO ₂ or foam. LARGE FIRE: Use water spray, water fog or regular foam. Do not use straight streams.
Unrecommended extinguishing means:	Do not use solid water stream/may spread fire.
Special danger:	During fire fighting, heat from fire can generate flammable vapour. Vapours may be heavier than air. Fine sprays/mists may be combustible at temperatures below normal flash point. Move containers from fire area if you can do it without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.
Special equipment for protection:	Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters protective clothing will only provide limited protection.
Special notices for intervention:	Nones.

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6. Accidental release precaution

- Individual precautions:** Use personal protective equipment. Evacuate personnel to safe areas. Ensure adequate ventilation. Eliminate all sources of ignition.
- Environmental precaution:** If necessary, all contaminated waste water must be treated in a municipal or industrial wastewater treatment plant before release to surface water. Chemical removal by air and water pollution control devices must meet the minimum efficiency requirements needed to reduce exposures to an acceptable level.
- Cleaning methods:** All equipment used when handling this product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapour suppressing foam may be used to reduce vapours. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. Dike large spills and place materials in salvage containers. Water spray may reduce vapour; but may not prevent ignition in closed spaces.

7. Handling and Storage

- Handling:** Handle with care. Keep container tightly closed when not in use. If desired, the material may be warmed (25 - 30°C / 77 - 86°F) to enhance the products flow. Use caution if applying heat localized overheating may cause possible product degradation and over-pressurize containers. Empty containers should be thoroughly rinsed with copious amounts of clean water. The rinse water can be used for makeup water for any necessary dilution of the concentrated product before use, or it can be properly discarded. Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair.
- Storage:** If desired, store in a warm location (25 - 30°C/77 - 86°F) to assist in emptying containers. Keep floor around container free of spilled product to prevent highly viscous material from sticking to and contaminating shoes.

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8. Exposure controls and personal protection

Engineering measures:

At elevated temperatures, special ventilation may be required even if the flash point has not been exceeded. Flammable mists or aerosols can be generated below the flash point of high boiling liquids.

Individual protection equipment:

Hands protection:

Not normally considered a skin hazard. Wear chemical resistant gloves such as: Latex or Nitrile.

Eye protection:

Appropriate eye protection should be worn when handling this material.

Protection of the skin and the body:

Where use can result in skin contact, practice good personal hygiene.
Skin should be washed after contact.
The equipment must be cleaned thoroughly after each use.

Respiratory protection:

No occupational exposure limit(s) have been established for this material or its components.
Not expected to present a respiratory hazard due to normally low vapor pressures.
Where excessive vapor, mist, or dust may result from use, use respiratory protection equipment recommended or approved by appropriate local, state or international agency.

Hygiene measures:

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices.
Wash hands before eating, drinking, smoking, or using toilet facilities.
Wash clothing frequently.

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9. Physical and chemical properties

Physical state	Liquid at 20°C
Appearance	Viscous
Colour	Transparent, colourless to white
Odour	Odourless
pH	about 6.5
Melting/freezing point:	< -54°C
Boiling point	about 212°C at 760 mm Hg (Lit.)
Decomposition temperature	about 300°C
Flash point	about 127°C (Lit.)
Flammability	Not flammable (Lit.)
Explosive limit	Not available
Vapor pressure	< 0.1 mmHg at 20 °C (Lit.)
Vapor density	about 3.2 (Air = 1.0 at 15 - 20°C) (Lit.)
Relative density	about 1 at 25 °C (Lit.)
Specific gravity	about 1 g/cm ³ at 25°C
Surface tension	72.2 mN/m at 20°C (Lit.)
Solubility in water	Soluble (Lit.)
Partition coefficient octanol/water	- 0.6 (Lit.)
Auto ignition temperature	about 380 °C (Lit.)
Viscosity	about 168 mPa.s at 25 °C (Lit.)
Explosive properties	Not explosive (Lit.)
Oxidizing properties	Not oxidising (Lit.)

10. Stability and reactivity

Stability: Stable under recommended storage conditions.

Reactivity:

Materials of packing or
bottle manufacture: Plastic drums or iron drums with internal coating.

Material to avoid : Strong oxidizing agents.

11. Toxicological information

LD50 (Oral / mice)	> 5 000 mg/kg bw (Lit.)
LC50 (Inhalation / mice/4h)	> 5.1 mg/l (Lit.)
LD50 (Dermal / rabbit)	> 2 000 mg/kg bw (Lit.)
Slightly irritant for skin	
Not irritating for eyes	
Not sensitizing (Lit.)	
Not mutagenic (Lit.)	

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12. Ecological information

Aquatic toxicity	LC50 (fish / 96h)	> 1 000 mg/l (Lit.)
	EC50 (daphnia / 48h)	> 1000 mg/l (Lit.)
	EC50 (algae, 48h)	> 1 000 mg/l (Lit.)
	CI50 (microorganisms / 16h)	> 10 – 100 mg/l (Lit.)
Biodegradability	Readily biodegradable (Lit.)	
Bioaccumulation	BCF = 3,16 (calculated)	
PBT / vPvB assessment	not PBT / vPvB	

13. Disposal considerations

Waste of residues:	Waste must be eliminated in accordance with national and local regulation concerning solid or hazardous waste disposal and/or container disposal.
Contaminated packaging:	Packing must be recycled in accordance with national and local regulation on the environmental protection.

14. Information related to transport

RID/ADR / Ground-Road/Railroad:	• Not regulated
IMGD / Maritime way:	Not regulated
IATA / Air way:	Not regulated

15. Regulatory Information

Authorization, Title VII of the Regulation 1907/2006/EC (REACH)

This substance is not subject to authorization.

Restriction, Title VIII of the Regulation 1907/2006/EC (REACH)

This substance is not subject to restriction.

Water contaminating class (Germany) WGK 1 Slightly water endangering (Lit.)

16. Other Information

No specific information.

This sheet completes the technical sheet of use but it does not replace it. The information contained in this sheet are based on our knowledge of the product at the date of **2012.04.16**. They are given quite sincerely. More over the attention of users is drawn on the possibility of risks taken when a product is used for other uses than those for which it is intended.