

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 and 453/2010



Boarmate®

Version 4.0

Revision Date 17.06.2011

Ref.130000026407

This SDS adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name : Boarmate®

Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Odour agent

Details of the supplier of the safety data sheet

Company : Antec International Limited
Windham Road
Chilton Industrial Estate
Sudbury / Suffolk - CO10 2XD
United Kingdom

Telephone : +44(0)1787 377 305

Telefax : +44(0)1787 310 846

E-mail address : sds-support@che.dupont.com

Emergency telephone number

Emergency telephone number : +44-(0)8456-006.640

Remarks : Antec International Limited is a wholly owned subsidiary of Dupont (UK) Ltd.

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

||| Highly flammable R12: Extremely flammable.

Label elements



Extremely flammable

||| R12 Extremely flammable.

Special labelling of certain substances and mixtures : Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C., Do not pierce or burn, even after

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use., Do not spray on a naked flame or any incandescent material.

S 2	Keep out of the reach of children.
S 9	Keep container in a well-ventilated place.
S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe spray, vapour.
S51	Use only in well-ventilated areas.
S35	This material and its container must be disposed of in a safe way.

Other hazards

Do not breathe vapours or spray mist.
Vapours may form explosive mixtures with air.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

not applicable

Mixtures

Registration number	Classification according Directive 67/548/EEC	Classification according Regulation 1272/2008 (CLP)	Concentration
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Petroleum gases, liquefied (<0.1% 1,3-butadiene) (CAS-No.68476-85-7) (EC-No.270-704-2)

	F+;R12	Press. Gas Flam. Gas 1; H220 Carc. 1B; H350 Muta. 1B; H340	> 90 %
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Propan-2-ol (CAS-No.67-63-0) (EC-No.200-661-7)

	F;R11 Xi;R36 R67	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	< 5 %
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For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Description of first aid measures

- General advice : Remove from exposure, lie down. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt seek medical advice.
- Inhalation : Move to fresh air. Oxygen or artificial respiration if needed.
- Skin contact : Wash off with soap and water.
- Eye contact : Remove contact lenses. Rinse thoroughly with plenty of water,

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Ingestion : also under the eyelids. Keep eye wide open while rinsing. Consult a physician.
: If a person vomits when lying on his back, place him in the recovery position. Do NOT induce vomiting. Rinse mouth. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Most important symptoms and effects, both acute and delayed

Symptoms : Excessive lachrymation, Blurred vision, Irritation, Redness, Drowsiness, Dizziness, Nausea, Headache

Indication of any immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Foam, Dry powder, Carbon dioxide blanket

Special hazards arising from the substance or mixture

Specific hazards during firefighting : pressure build-up Vapours may form explosive mixtures with air. Fire or intense heat may cause violent rupture of packages.

: Hazardous decomposition products Carbon dioxide (CO₂)
Carbon monoxide

Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.
Full protective flameproof clothing

Further information : Evacuate personnel to safe areas. Keep containers and surroundings cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions : Ventilate the area. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Environmental precautions : Do not contaminate surface water. Do not let product enter drains.

Methods and materials for containment and cleaning up

Methods for cleaning up : Sweep up to prevent slipping hazard. Evaporates.

Reference to other sections

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For personal protection see section 8.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling : Do not breathe vapours or spray mist. Provide sufficient air exchange and/or exhaust in work rooms. In case of insufficient ventilation, wear suitable respiratory equipment.

Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store in a cool and shaded area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Other data : No decomposition if stored and applied as directed.

Specific end uses

no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

If sub-section is empty then no values are applicable.

Components with workplace control parameters

Type Form of exposure	Control parameters	Update	Basis	Remarks
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Petroleum gases, liquefied (<0.1% 1,3-butadiene) (CAS-No. 68476-85-7)

TWA	1 750 mg/m3 1 000 ppm	2007	EH40 WEL	
STEL	2 180 mg/m3 1 250 ppm	2007	EH40 WEL	

Propan-2-ol (CAS-No. 67-63-0)

TWA	999 mg/m3 400 ppm	2007	EH40 WEL	
STEL	1 250 mg/m3 500 ppm	2007	EH40 WEL	

Exposure controls

Engineering measures : Ensure adequate ventilation, especially in confined areas.

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Eye protection	:	Tightly fitting safety goggles
Hand protection	:	Material: Rubber gloves
Skin and body protection	:	Lightweight protective clothing
Protective measures	:	No special protective equipment required.
Hygiene measures	:	General industrial hygiene practice.
Respiratory protection	:	Provide adequate ventilation. In the case of vapour formation use a respirator with an approved filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form	:	Liquefied gas
Odour	:	characteristic
pH	:	no data available
Vapour pressure	:	4 490 hPa at 20 °C
Density	:	1,24 g/cm ³ at 25 °C, (as liquid)
Water solubility	:	partly soluble

Other information

no data available

10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions., Decomposes on heating.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	pressure build-up Decomposes on heating.
Conditions to avoid	:	Temperature : > 50 °C Heat, flames and sparks. Direct sources of heat.
Incompatible materials	:	strong oxidizers
Hazardous decomposition products	:	Carbon dioxide (CO ₂) Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Mutagenicity assessment

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- Propan-2-ol
Did not show mutagenic effects in animal experiments. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity assessment

- Propan-2-ol
Animal testing did not show any carcinogenic effects.

Toxicity to reproduction assessment

- Propan-2-ol
No toxicity to reproduction

Human experience

Excessive exposures may affect human health, as follows:

Inhalation

Upper respiratory tract: Irritation, Dizziness, Drowsiness, Headache, Nausea

Skin contact

Skin: Redness

Eye contact

Eyes: Blurred vision, Excessive lachrymation

Ingestion

Respiratory system: Irritation

Further information

Rapid evaporation of the liquid may cause frostbite.

12. ECOLOGICAL INFORMATION

Toxicity

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

no data available

Other adverse effects

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Additional ecological information

No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product : Dispose of as special waste in compliance with local and national regulations.

14. TRANSPORT INFORMATION

ADR

Class: 2
Classification Code: 5F
UN number: 1950
Labelling No.: 2.1
Proper shipping name: Aerosols
Tunnel restriction code: (D)

IATA_C

Class: 2.1
UN number: 1950
Labelling No.: 2.1
Proper shipping name: Aerosols, flammable

IMDG

Class: 2.1
UN number: 1950
Labelling No.: 2.1
Proper shipping name: Aerosols

15. REGULATORY INFORMATION

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

no data available

Chemical Safety Assessment

no data available

16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R11 Highly flammable.
R12 Extremely flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under section 3.

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

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H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.

Other information	professional use
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Significant change from previous version is denoted with a double bar.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.