

# Safety Data Sheet

acc. to The REACH etc. (Amendment etc.) (EU Exit)

Regulations 2019, SI 2019/758 (as amended)

**6B Rosin**  
**6C Rosin**  
**6V Rosin**

451.030  
451.035

Version number: 2.0

Replaces version of: 2023-04-20 (1)

UFI: RDH4-Q097-G001-CP9P

Revision: 2023-07-12

First version: 2023-04-20

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name 6B / 6C / 6V rosin

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

Relevant identified uses Rosin for violin, cello, double bass bow

### 1.3 Details of the supplier of the safety data sheet

Barnes and Mullins Ltd,  
Unit 14, Mile Oak Ind Estate,  
SY10 8GA Oswestry, Shropshire  
United Kingdom

Telephone: 0044 (0)1691 652449  
Telefax: 0044 (0)1691 655582

e-mail (competent person) Mark.taylor@bandm.co.uk

### 1.4 Emergency telephone number

As above or nearest toxicological information centre.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification (acc. to GB CLP)

Classification				
Section	Hazard class	Category	Hazard class and category	Hazard statement
3.4S	skin sensitisation	1	Skin Sens. 1	H317

For full text of abbreviations: see SECTION 16

### 2.2 Label elements

Labelling (acc. to GB CLP)

Signal word warning

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### Pictograms

GHS07



### Hazard statements

**H317** May cause an allergic skin reaction.

### Precautionary statements

**P101** If medical advice is needed, have product container or label at hand.

**P102** Keep out of reach of children.

**P261** Avoid breathing dust.

**P280** Wear protective gloves/protective clothing/eye protection/face protection.

**P302+P352** IF ON SKIN: Wash with plenty of soap and water.

**P333+P313** If skin irritation or rash occurs: Get medical advice/attention.

**P362+P364** Take off contaminated clothing and wash it before reuse.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous ingredients for labelling** rosin; colophony

## 2.3 Other hazards

### Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ .

### Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .


## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

#### Description of the mixture

Hazardous ingredients					
Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes
rosin; colophony	CAS No 8050-09-7	$\geq 90$	Skin Sens. 1 / H317		-

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<b>Hazardous ingredients</b>					
<b>Name of substance</b>	<b>Identifier</b>	<b>Wt%</b>	<b>Classification acc. to GHS</b>	<b>Pictograms</b>	<b>Notes</b>
	EC No 232-475-7  Index No 650-015-00-7				

For full text of H-phrases: see SECTION 16

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General notes**

Self-protection of the first aider.

Remove affected person from the danger area and lay down.

Do not leave affected person unattended.

Take off immediately all contaminated clothing.

In all cases of doubt, or when symptoms persist, seek medical advice.

#### **Following inhalation**

Provide fresh air.

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

#### **Following skin contact**

Rinse skin with water/shower.

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

If skin irritation or rash occurs: Get medical advice/attention.

#### **Following eye contact**

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

#### **Following ingestion**

Rinse mouth. Do not induce vomiting.

Get medical advice/attention if you feel unwell.

#### **Notes for the doctor**

None.

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**4.2 Most important symptoms and effects, both acute and delayed**

This information is not available.

**4.3 Indication of any immediate medical attention and special treatment needed**

None.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

water, foam, alcohol resistant foam, fire extinguishing powder

**Unsuitable extinguishing media**

water jet

**5.2 Special hazards arising from the substance or mixture**

Combustible.

Hazardous decomposition products: Section 10.

Deposited combustible dust has considerable explosion potential.

**Hazardous combustion products**

carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

**5.3 Advice for firefighters**

Keep containers cool with water spray.

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.

**Special protective equipment for firefighters**

Wear self-contained breathing apparatus

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

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**For non-emergency personnel**

Remove persons to safety.

Ventilate affected area.

Do not breathe dust.

Control of dust.

Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

**For emergency responders**

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

**6.2 Environmental precautions**

Keep away from drains, surface and ground water.

Retain contaminated washing water and dispose of it.

If substance has entered a water course or sewer, inform the responsible authority.

**6.3 Methods and material for containment and cleaning up**

**Advice on how to contain a spill**

Take up mechanically.

**Advice on how to clean up a spill**

Take up mechanically.

Collect spillage.

**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**

Avoid contact with skin and eyes.

Do not breathe dust.

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**Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation.  
Keep away from sources of ignition - No smoking.  
Removal of dust deposits.

**Specific notes/details**

Dust deposits may accumulate on all deposition surfaces in a technical room.

**Measures to protect the environment**

Avoid release to the environment.

**Advice on general occupational hygiene**

Do not eat, drink and smoke in work areas.  
Wash hands after use.  
Preventive skin protection (barrier creams/ointments) is recommended.  
Remove contaminated clothing and protective equipment before entering eating areas.

**7.2 Conditions for safe storage, including any incompatibilities**

**Explosive atmospheres**

Removal of dust deposits.

**Flammability hazards**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Incompatible substances or mixtures**

Incompatible materials: see section 10.

**Protect against external exposure, such as**

heat

**Consideration of other advice**

Keep away from food, drink and animal feeding stuffs.

**Ventilation requirements**

Provision of sufficient ventilation.

**Specific designs for storage rooms or vessels**

Keep container tightly closed and in a well-ventilated place.  
Keep cool.

**Packaging compatibilities**

Keep only in original container.

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### 7.3 Specific end use(s)

Rosin for violin bow.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)									
Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m <sup>3</sup> ]	STEL [ppm]	STEL [mg/m <sup>3</sup> ]	Notation	Source
GB	dust	-	WEL	-	10	-	-	i	EH40/2005
GB	dust	-	WEL	-	4	-	-	r	EH40/2005
GB	rosin-based solder flux fume	8050-09-7	WEL	-	0.05	-	0.15	-	EH40/2005

#### Notation

i inhalable fraction

r respirable fraction

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

### 8.2 Exposure controls

#### Appropriate engineering controls

Use local and general ventilation.

#### Individual protection measures (personal protective equipment)

##### Eye/face protection

Wear eye/face protection. (EN 166).

##### Hand protection

Protective gloves		
Material	Material thickness	Breakthrough times of the glove material
no information available	-	-

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Wear suitable gloves.

Chemical protection gloves are suitable, which are tested according to EN 374.

Check leak-tightness/impermeability prior to use.

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.

### Body protection

Protective clothing for use against solid particulates.

(EN 13832, EN 340, EN 14605).

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Particle filter device (DIN EN 143).

### Environmental exposure controls

Use appropriate container to avoid environmental contamination.

Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	solid
<b>Colour</b>	Dark Green / Black
<b>Odour</b>	characteristic
<b>Melting point/freezing point</b>	not determined
<b>Boiling point or initial boiling point and boiling range</b>	not determined
<b>Flammability</b>	this material is combustible, but will not ignite readily
<b>Lower and upper explosion limit</b>	not applicable (solid)
<b>Flash point</b>	not applicable
<b>Auto-ignition temperature</b>	not applicable (solid)
<b>Decomposition temperature</b>	not relevant
<b>pH (value)</b>	not applicable



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<b>Viscosity</b>	not relevant (solid)
<b>Solubility(ies)</b>	
Water solubility	not determined
<b>Partition coefficient n-octanol/water (log value)</b>	not determined
<b>Vapour pressure</b>	not determined
<b>Density and/or relative density</b>	
Density	not determined
Relative vapour density	not applicable
<b>Particle characteristics</b>	no data available

**9.2 Other information**

<b>Information with regard to physical hazard classes</b>	hazard classes acc. to GHS (physical hazards): not relevant
<b>Other safety characteristics</b>	there is no additional information

**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

This material is not reactive under normal ambient conditions.

**10.2 Chemical stability**

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.  
See below "Conditions to avoid".

**10.3 Possibility of hazardous reactions**

No known hazardous reactions.

**10.4 Conditions to avoid**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Control of dust.

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

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### 10.5 Incompatible materials

There is no additional information.

### 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

#### Classification procedure

If not otherwise specified the classification is based on:  
Ingredients of the mixture (additivity formula).

#### Classification acc. to GHS

#### Acute toxicity

Test data are not available for the complete mixture.

#### Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	End-point	Value	Species	Method	Source
rosin; colophony	8050-09-7	oral	LD0	>2,000 mg/kg	rat, female	OECD Guideline 423	ECHA
rosin; colophony	8050-09-7	dermal	LD0	>2,000 mg/kg	rat	OECD Guideline 402	ECHA

#### Skin corrosion/irritation

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

#### Serious eye damage/eye irritation

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

#### Respiratory or skin sensitisation

##### Skin sensitisation

May cause an allergic skin reaction.

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**Respiratory sensitisation**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Germ cell mutagenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Carcinogenicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Reproductive toxicity**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Specific target organ toxicity - single exposure**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Specific target organ toxicity - repeated exposure**

Classification could not be established because:

Data are lacking, inconclusive, or conclusive but not sufficient for classification.

**Aspiration hazard**

Shall not be classified as presenting an aspiration hazard.

**11.2 Information on other hazards**

**Endocrine disrupting properties**

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .

**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity (acute)**

Test data are not available for the complete mixture.

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**Aquatic toxicity (acute) of components of the mixture**

Name of substance	CAS No	Endpoint	Exposure time	Value	Species	Method	Source
rosin; colophony	8050-09-7	EbC50	72 h	16.6 mg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA
rosin; colophony	8050-09-7	LC50	48 h	1.6 mg/l	daphnia magna	OECD Guideline 202	ECHA
rosin; colophony	8050-09-7	LC50	96 h	1.7 mg/l	fathead minnow (Pimephales promelas)	OECD Guideline 203	ECHA
rosin; colophony	8050-09-7	LL50	96 h	<10 mg/l	zebra fish (Danio rerio)	OECD Guideline 203	ECHA
rosin; colophony	8050-09-7	EL50	48 h	36 mg/l	daphnia magna	OECD Guideline 202	ECHA
rosin; colophony	8050-09-7	EL50	96 h	>1,000 mg/l	orfe (Leuciscus idus)	OECD Guideline 203	ECHA
rosin; colophony	8050-09-7	EL50	72 h	>100 mg/l	algae (Scenedesmus subspicatus)	OECD Guideline 201	ECHA
rosin; colophony	8050-09-7	ErC50	72 h	39.6 mg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA

**Aquatic toxicity (chronic)**

Test data are not available for the complete mixture.

**Aquatic toxicity (chronic) of components of the mixture**

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Name of substance	CAS No	Endpoint	Exposure time	Value	Species	Method	Source
rosin; colophony	8050-09-7	NOEC	72 h	6.25 mg/l	algae (pseudokirchneriella subcapitata)	OECD Guideline 201	ECHA
rosin; colophony	8050-09-7	NOELR	72 h	100 mg/l	algae (Desmodesmus subspicatus)	OECD Guideline 201	ECHA
rosin; colophony	8050-09-7	growth (Eb-Cx) 20%	3 h	>10,000 mg/l	activated sludge of a predominantly domestic sewage	OECD Guideline 209	ECHA
rosin; colophony	8050-09-7	growth (Eb-Cx) 10%	3 h	>10,000 mg/l	activated sludge of a predominantly domestic sewage	OECD Guideline 209	ECHA

## 12.2 Persistence and degradability

### Biodegradation

Test data are not available for the complete mixture.

### Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
rosin; colophony	8050-09-7	carbon dioxide generation	89 %	28 d	OECD Guideline 301 B	ECHA
rosin; colophony	8050-09-7	oxygen depletion	71 %	28 d	OECD Guideline 301	ECHA

### Persistence

No data available.

## 12.3 Bioaccumulative potential

Test data are not available for the complete mixture.

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#### Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW
rosin; colophony	8050-09-7	-	>3 – ≤6.2

#### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance in a concentration of  $\geq 0,1\%$ .

#### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0,1\%$ .

#### 12.7 Other adverse effects

Data are not available.

#### Remarks

Wassergefährdungsklasse, WGK (water hazard class): 2 Keep away from drains, surface and ground water.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

This material and its container must be disposed of as hazardous waste.

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

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packagings

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.

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## SECTION 14: Transport information

14.1	UN number	not assigned
14.2	UN proper shipping name	-
14.3	Transport hazard class(es)	-
14.4	Packing group	-
14.5	Environmental hazards	-
14.6	Special precautions for user	-
14.7	Maritime transport in bulk according to IMO instruments	-

## SECTION 15: Regulatory information

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

#### Relevant provisions of the European Union (EU)

##### Seveso Directive

Not assigned.

##### Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed.

##### Regulation on the marketing and use of explosives precursors

None of the ingredients are listed.

##### Regulation on drug precursors

None of the ingredients are listed.

##### Regulation on substances that deplete the ozone layer (ODS)

None of the ingredients are listed.

##### Regulation concerning the export and import of hazardous chemicals (PIC)

None of the ingredients are listed.

##### Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

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### National regulations (GB)

#### List of substances subject to authorisation (GB REACH, Annex 14) / SVHC - candidate list

None of the ingredients are listed

#### Restrictions according to GB REACH, Annex 17

None of the ingredients are listed

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## SECTION 16: Other information

### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
1.1	CAS number: Not relevant (mixture)	-
2.2	-	Precautionary statements: change in the listing (table)
8.2	-	Body protection: Protective clothing for use against solid particulates. (EN 13832, EN 340, EN 14605).

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
BCF	Bioconcentration factor
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
DGR	Dangerous Goods Regulations (see IATA/DGR)
EbC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits ( <a href="http://www.nationalarchives.gov.uk/doc/open-government-licence/">http://www.nationalarchives.gov.uk/doc/open-government-licence/</a> )



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Abbr.	Descriptions of used abbreviations
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the test organisms
ELINCS	European List of Notified Chemical Substances
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
GB CLP	The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended)
GB REACH	The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended)
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
log KOW	n-Octanol/water
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
NOELR	No Observed Effect Loading Rate
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

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Abbr.	Descriptions of used abbreviations
WEL	Workplace exposure limit

### Key literature references and sources for data

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/758 (as amended).  
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019, SI 2019/720 (as amended).  
GB mandatory classification and labelling.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).  
Regulations concerning the International Carriage of Dangerous Goods by Rail (RID).  
International Maritime Dangerous Goods Code (IMDG).  
Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

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

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

Code	Text
H317	May cause an allergic skin reaction.

### Responsible for the safety data sheet

C.S.B. GmbH  
Dujardinstr. 5  
47829 Krefeld, Germany

Telephone: +49 (0) 2151 - 652086 - 0  
Telefax: +49 (0) 2151 - 652086 - 9  
e-Mail: [info@csb-compliance.com](mailto:info@csb-compliance.com)  
Website: [www.csb-compliance.com](http://www.csb-compliance.com)

### Disclaimer

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