

according to Regulation (EC) No. 1907/2006 (REACH)

A39 Guardian Seal Wax

Version number: GHS 1.0 Date of compilation: 2015-09-21

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

1.1 Product identifier

Trade name

Registration number (REACH)

A39 Guardian Seal Wax
not relevant (mixture)

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

Relevant identified uses paint sealer with resin

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 Telefax: e-mail: info@bbblending.com

Website: bbblending.com

Competent person responsible for the safety data

sheet

e-mail (competent person)

Robert Blahnik

bblahnik@bbblending.com

1.4 Emergency telephone number

Emergency information service

USA 1.800.535.5053, INTL 1.352.323.3500

This number is only available during the following of-

fice hours: 09:00 AM - 05:00 PM Mon-Fri 09:00 AM - 05:00 PM

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Cat- egory	Hazard class and category	Hazard state- ment
3.5	germ cell mutagenicity	Cat. 1B	(Muta. 1B)	H340
3.6	carcinogenicity	Cat. 1B	(Carc. 1B)	H350
3.9	specific target organ toxicity - repeated exposure	Cat. 2	(STOT RE 2)	H373
3.10	aspiration hazard	Cat. 1	(Asp. Tox. 1)	H304

Remarks

For full text of H-phrases: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

Delayed or immediate effects can be expected after short or long-term exposure.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word Danger



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Pictograms

GHS08



Hazard statements

H304 May be fatal if swallowed and enters airways.

H340 May cause genetic defects.

H350 May cause cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Precautionary statements - prevention

P201 Obtain special instructions before use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray. P281 Use personal protective equipment as required.

Precautionary statements - response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P331 Do NOT induce vomiting.

Hazardous ingredients for labelling: Stoddard Solvent, Distillates (petroleum), hydro-

treated light

2.3 Other hazards

This material is combustible, but will not ignite readily. Special danger of slipping by leaking/spilling product.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of sub- stance	Identifier	wt%	Classification acc. to 1272/2008/EC	Classification acc. to 67/548/EEC	Symbols
Distillates (petroleum), hydrotreated light	CAS No 64742-47-8 EC No 265-149-8	10 - < 25	Asp. Tox. 1 / H304	harmful; Xn; R65	×
aminofunctional silicone fluid	CAS No 69430-37-1	1 - < 5	Flam. Liq. 3 / H226		
Stoddard Solvent	CAS No 8052-41-3 EC No 232-489-3	1 - < 5	Muta. 1B / H340 Carc. 1B / H350 STOT RE 1 / H372 Asp. Tox. 1 / H304	harmful; Xn; R48/20-65 carcinogenic; Carc. Cat. 2; R45 mutagenic; Muta. Cat. 2; R46	
propan-2-ol	CAS No 67-63-0 EC No 200-661-7	1-<5	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319 STOT SE 3 / H336	highly flammable; F; R11 irritant; Xi; R36 R67	<u>₩</u> ×
methanol	CAS No 67-56-1 EC No 200-659-6	< 1	Flam. Liq. 2 / H225 Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 3 / H331 STOT SE 1 / H370	highly flammable; F; R11 toxic; T; R23/24/25- 39/23/24/25	*



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Name of sub- stance	Identifier	wt%	Classification acc. to 1272/2008/EC	Classification acc. to 67/548/EEC	Symbols
CMIT/MIT mixture	CAS No 55965-84-9	<1	Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 3 / H331 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	toxic; T; R23/24/25 corrosive; C; R34 sensitising; Xi; R43 dangerous for the environment; N; R50-53	

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

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

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

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

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

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

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 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 vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose 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 to 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 hints for combined storage.

- Control of effects
- · Protect against external exposure, such as

frost

7.3 Specific end use(s)

See section 16 for a general overview.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Coun- try	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Source
EU	methanol	67-56-1	IOELV	200	260			2006/15/EC
EU	methyl isobutyl ketone	108-10-1	IOELV	20	83	50	208	2000/39/EC
UK	4-methylpentan-2-one	108-10-1	WEL	50	208	100	416	EH40/2005
UK	aromatics	8052-41-3	WEL		500			EH40/2005
UK	cycloalkanes (>C7)	8052-41-3	WEL		800			EH40/2005
UK	ethanol	64-17-5	WEL	1,000	1,920			EH40/2005
UK	methanol	67-56-1	WEL	200	266	250	333	EH40/2005
UK	normal and branched chain alkanes (>C7)	8052-41-3	WEL		1,200			EH40/2005
UK	normal and branched chain alkanes (C5-C6)	8052-41-3	WEL		1,800			EH40/2005
UK	propan-2-ol	67-63-0	WEL	400	999	500	1,250	EH40/2005

Notation

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

Relevant DNELs/DMELs/PNECs and other threshold levels

• relevant DNELs of components of the mixture

Name of sub- stance	CAS No	End- point	Threshold level	Protection goal, route of expos- ure	Used in	Exposure time
propan-2-ol	67-63-0	DNEL	888 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
propan-2-ol	67-63-0	DNEL	500 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
methanol	67-56-1	DNEL	260 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
methanol	67-56-1	DNEL	40 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
methanol	67-56-1	DNEL	260 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects

• relevant PNECs of components of the mixture



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Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environ- mental com- partment	Exposure time
propan-2-ol	67-63-0	PNEC	140.9 mg/l	aquatic organisms	freshwater	short-term (single instance)
propan-2-ol	67-63-0	PNEC	140.9 mg/l	aquatic organisms	marine water	short-term (single instance)
propan-2-ol	67-63-0	PNEC	2,251 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
propan-2-ol	67-63-0	PNEC	552 mg/kg	benthic organisms	sediments	short-term (single instance)
propan-2-ol	67-63-0	PNEC	552 mg/kg	pelagic organisms	sediments	short-term (single instance)
propan-2-ol	67-63-0	PNEC	160 mg/kg	(top) predators	water	short-term (single instance)
propan-2-ol	67-63-0	PNEC	28 mg/kg	terrestrial organisms	soil	short-term (single instance)
propan-2-ol	67-63-0	PNEC	140.9 mg/l	aquatic organisms	water	continuous
methanol	67-56-1	PNEC	20.8 mg/l	aquatic organisms	freshwater	short-term (single instance)
methanol	67-56-1	PNEC	2.08 mg/l	aquatic organisms	marine water	short-term (single instance)
methanol	67-56-1	PNEC	100 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
methanol	67-56-1	PNEC	77 mg/kg	benthic organisms	sediments	short-term (single instance)
methanol	67-56-1	PNEC	7.7 mg/kg	pelagic organisms	sediments	short-term (single instance)
methanol	67-56-1	PNEC	3.18 mg/kg	terrestrial organisms	soil	short-term (single instance)
methanol	67-56-1	PNEC	1,540 mg/l	aquatic organisms	water	continuous

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.



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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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state liquid (viscous)
Colour off-white
Odour characteristic

Other physical and chemical parameters

pH (value) not determined
Melting point/freezing point not determined
Initial boiling point and boiling range 64.6 °C

Think boiling point and boiling range 04.0 0

Flash point 62 °C at 101.3 kPa 143 °F at 1 atm

Evaporation rate not determined Flammability (solid, gas) not relevant (fluid)

Explosive limits

lower explosion limit (LEL)upper explosion limit (UEL)6 vol%

Vapour pressure 31.69 hPa at 25 °C

Density not determined

Relative density 0.99 water = 1

Solubility(ies) not determined

Partition coefficient

n-octanol/water (log KOW)

This information is not available.

Auto-ignition temperature not determined Viscosity not determined

Explosive properties none Oxidising properties none

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

See below "Conditions to avoid".



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10.3 Possibility of hazardous reactions

No known hazardous reactions.

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

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

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 according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
methanol	67-56-1	oral	100
methanol	67-56-1	dermal	300
methanol	67-56-1	inhalation: vapour	3
CMIT/MIT mixture	55965-84-9	oral	100
CMIT/MIT mixture	55965-84-9	dermal	300
CMIT/MIT mixture	55965-84-9	inhalation: vapour	3

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 sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

May cause genetic defects.

May cause cancer.

Shall not be classified as a reproductive toxicant.



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Specific target organ toxicity (STOT)

• Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
propan-2-ol	67-63-0	LC50	10,000 ^{mg} / _l	fish	96 hours
methanol	67-56-1	LC50	15,400 ^{mg} / _l	fish	96 hours
methanol	67-56-1	EC50	12,700 ^{mg} / _l	fish	96 hours
methanol	67-56-1	ErC50	22,000 ^{mg} / _l	algae	96 hours

Aquatic toxicity (chronic)

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
propan-2-ol	67-63-0	LC50	>10,000 ^{mg} / _I	aquatic invertebrates	24 h

12.2 Persistence and degradability

Data are not available.

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
propan-2-ol	67-63-0	oxygen depletion	53 %	5 d
methanol	67-56-1	oxygen depletion	76 %	5 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
Stoddard Solvent	8052-41-3		7.15	
methanol	67-56-1		-0.77	
CMIT/MIT mixture	55965-84-9		0.75	



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12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

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/packagings**

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. 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.

SECTION 14: Transport information

14.1 UN number (not subject to transport regulations)

14.2 UN proper shipping name not relevant

14.3 Transport hazard class(es)

Class

-

14.4 Packing group not relevant

14.5 Environmental hazards none (non-environmentally hazardous acc. to the dangerous

goods regulations)

14.6 Special precautions for user

There is no additional information.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

The cargo is not intended to be carried in bulk.

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)
 - 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)

VOC content 27.11 %

Directive on industrial emissions (VOCs, 2010/75/EU)

VOC content 23.11 %
• Regulation 648/2004/EC on detergents

Labelling of contents

Constituents	Weight % content (or range)
aromatic hydrocarbons	less than 5 %



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National regulations (Switzerland)

Ordinance on the incentive tax on volatile organic compounds (VOCV)

VOC content (object of taxation):

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

2000/39/EC	
2000/03/20	Comission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC
2006/15/EC	Comission Directive establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC
Acute Tox.	acute toxicity
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	hazardous to the aquatic environment - acute hazard
Aquatic Chronic	hazardous to the aquatic environment - chronic hazard
Asp. Tox.	aspiration hazard
ATE	Acute Toxicity Estimate
BCF	BioConcentration Factor
BOD	Biochemical Oxygen Demand
С	corrosive
Carc.	carcinogenicity
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	chemical oxygen demand
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
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, Table 1: List of approved workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
Eye Dam.	seriously damaging to the eye
Eye Irrit.	irritant to the eye
F+	extremely flammable
Flam. Liq.	flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
log KOW	n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant)



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Abbr.	Descriptions of used abbreviations
Muta.	germ cell mutagenicity
N	dangerous for the environment
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Skin Corr.	corrosive to skin
Skin Irrit.	irritant to skin
Skin Sens.	skin sensitisation
STOT RE	specific target organ toxicity - repeated exposure
STOT SE	specific target organ toxicity - single exposure
Т	toxic
VOC	Volatile Organic Compounds
vPvB	very Persistent and very Bioaccumulative
Xi	irritant
Xn	harmful

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)

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).

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

Code	Text
H225	highly flammable liquid and vapour
H226	flammable liquid and vapour
H301	toxic if swallowed
H304	may be fatal if swallowed and enters airways
H311	toxic in contact with skin
H314	causes severe skin burns and eye damage
H317	may cause an allergic skin reaction
H318	causes serious eye damage
H319	causes serious eye irritation
H331	toxic if inhaled
H336	may cause drowsiness or dizziness
H340	may cause genetic defects



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Code	Text
H350	may cause cancer
H370	causes damage to organs
H372	causes damage to organs through prolonged or repeated exposure
H373	may cause damage to organs through prolonged or repeated exposure
H400	very toxic to aquatic life
H410	very toxic to aquatic life with long lasting effects
R11	highly flammable
R23/24/25	toxic by inhalation, in contact with skin and if swallowed
R34	causes burns
R36	irritating to eyes
R39/23/24/25	toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R43	may cause sensitisation by skin contact
R45	may cause cancer
R46	may cause heritable genetic damage
R48/20	harmful: danger of serious damage to health by prolonged exposure through inhalation
R50/53	very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	harmful: may cause lung damage if swallowed
R67	vapours may cause drowsiness and dizziness

Disclaimer

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