

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

### A20 Hand Glaze

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)
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** Relevant identified uses vehicle polish
- 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)

**1.4 Emergency telephone number** Emergency information service Robert Blahnik

A20 Hand Glaze

not relevant (mixture)

bblahnik@bbblending.com

**USA 1.800.535.5053, INTL 1.352.323.3500** This number is only available during the following office 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
3.4S	skin sensitisation	Cat. 1B	(Skin Sens. 1B)	H317
3.10	aspiration hazard	Cat. 1	(Asp. Tox. 1)	H304
4.1C	hazardous to the aquatic environment - chronic hazard	Cat. 3	(Aquatic Chronic 3)	H412

#### Remarks

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

The most important adverse physicochemical, human health and environmental effects Spillage and fire water can cause pollution of watercourses.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP) Signal word Danger Pictograms



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## **Hazard statements**

GHS07, GHS08

H304	May be fatal if swallowed and er	ters airways.				
H317	May cause an allergic skin reaction.					
H412	Harmful to aquatic life with long	asting effects.				
Precautionary state	ments					
Precautionary state	ments - prevention					
P261	Avoid breathing dust/fume/gas/n	nist/vapours/sprav.				
P280		e clothing/eye protection/face protection.				
Precautionary state	ments - response					
P301+P310	IF SWALLOWED: Immediately of	all a POISON CENTER/doctor/physician.				
P331	Do NOT induce vomiting.					
P333+P313	If skin irritation or rash occurs: G	et medical advice/attention.				
P363	Wash contaminated clothing bef	ore reuse.				
Precautionary state	ments - disposal					
P501	Dispose of contents/container in regulations.	accordance with local/regional/national/international				
Hazardous ingredie	nts for labelling:	d-limonene, Distillates (petroleum), hydrotreated light,				

mineral seal oil

#### 2.3 Other hazards

This material is combustible, but will not ignite readily.

#### 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	5 - < 10	Asp. Tox. 1 / H304	harmful; Xn; R65	×
	EC No 265-149-8				
isopropyl alcohol	CAS No 67-63-0	5 - < 10	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319 STOT SE 3 / H336	highly flammable; F; R11 irritant; Xi; R36 R67	*
	EC No 200-661-7				
mineral seal oil	CAS No 64742-46-7	1 - < 5	Acute Tox. 4 / H332 Skin Irrit. 2 / H315 Asp. Tox. 1 / H304	harmful; Xn; R20-65 irritant; Xi; R38 dangerous for the	×
	EC No 265-148-2		Aquatic Chronic 2 / H411	environment; N; R51-53	
octamethylcyclotetras iloxane	CAS No 556-67-2	1 - < 5	Flam. Liq. 3 / H226 Repr. 2 / H361f Aquatic Chronic 4 / H413	toxic for reproduction; Repr. Cat. 3; R62 dangerous for the	×
	EC No 209-136-7			environment; R53	



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Name of sub- stance	Identifier	wt%	Classification acc. to 1272/2008/EC	Classification acc. to 67/548/EEC	Symbols
d-limonene	CAS No 5989-27-5 EC No 227-813-5	1 - < 5	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Asp. Tox. 1 / H304 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410	flammable; R10 harmful; Xn; R65 irritant; Xi; R38 sensitising; Xi; R43 dangerous for the environment; N; R50-53	×
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



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#### **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.

#### **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.



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#### **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.

#### **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
UK	cycloalkanes (>C7)	5989-27-5	WEL		800			EH40/2005
UK	diatomaceous earth, natural	61790-53-2	WEL		1.2			EH40/2005
UK	glycerol, mist	56-81-5	WEL		10			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 timeweighted 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
octamethylcyclotetras iloxane	556-67-2	DNEL	14.9 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - local effects
octamethylcyclotetras iloxane	556-67-2	DNEL	73 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects
d-limonene	5989-27- 5	DNEL	33.3 mg/m <sup>3</sup>	human, inhalatory	worker (industry)	chronic - systemic effects



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<ul> <li>relevant PNECs</li> </ul>	of compo	nents of	the mixture			
Name of sub- stance	CAS No	End- point	Threshold level	Organism	Environ- mental com- partment	Exposure time
octamethylcyclotetras iloxane	556-67-2	PNEC	0.44 μg/l	aquatic organisms	freshwater	short-term (single instance)
octamethylcyclotetras iloxane	556-67-2	PNEC	0.044 μg/l	aquatic organisms	marine water	short-term (single instance)
octamethylcyclotetras iloxane	556-67-2	PNEC	10 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
octamethylcyclotetras iloxane	556-67-2	PNEC	0.59 mg/kg	benthic organisms	sediments	short-term (single instance)
octamethylcyclotetras iloxane	556-67-2	PNEC	0.059 mg/kg	pelagic organisms	sediments	short-term (single instance)
octamethylcyclotetras iloxane	556-67-2	PNEC	1.7 mg/kg	(top) predators	water	short-term (single instance)
octamethylcyclotetras iloxane	556-67-2	PNEC	0.15 mg/kg	terrestrial organisms	soil	short-term (single instance)
d-limonene	5989-27- 5	PNEC	5.4 μg/l	aquatic organisms	freshwater	short-term (single instance)
d-limonene	5989-27- 5	PNEC	0.54 μg/l	aquatic organisms	marine water	short-term (single instance)
d-limonene	5989-27- 5	PNEC	1.8 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
d-limonene	5989-27- 5	PNEC	1.32 mg/kg	benthic organisms	sediments	short-term (single instance)
d-limonene	5989-27- 5	PNEC	0.13 mg/kg	pelagic organisms	sediments	short-term (single instance)
d-limonene	5989-27- 5	PNEC	3.33 mg/kg	(top) predators	water	short-term (single instance)
d-limonene	5989-27- 5	PNEC	0.262 mg/kg	terrestrial organisms	soil	short-term (single instance)

#### 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
Colour	violet
Odour	fruity
Other physical and chemical parameters	
pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	100 °C
Flash point	61 °C at 101.3 kPa 142 °F at 1 atm
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	
<ul> <li>lower explosion limit (LEL)</li> </ul>	2.7 vol%
<ul> <li>upper explosion limit (UEL)</li> </ul>	19 vol%
Vapour pressure	200 Pa at 298 K
Density	1 <sup>g</sup> / <sub>cm³</sub> 8.32lbs/USGal
Relative density	1 water = 1
Solubility(ies)	not determined
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	245 °C
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
mineral seal oil	64742-46-7	inhalation: vapour	11
mineral seal oil	64742-46-7	inhalation: dust/mist	4.6
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

May cause an allergic skin reaction.

#### Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

#### Aspiration hazard

May be fatal if swallowed and enters airways.



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#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### Harmful to aquatic life. Aquatic toxicity (acute)

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

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
octamethylcyclotetrasilo xane	556-67-2	LC50	>22 <sup>µg</sup> / <sub>l</sub>	fish	96 hours
octamethylcyclotetrasilo xane	556-67-2	EC50	>1,000 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	96 hours
d-limonene	5989-27-5	LC50	720 <sup>µg</sup> / <sub>l</sub>	fish	96 hours
d-limonene	5989-27-5	EC50	688 <sup>µg</sup> / <sub>l</sub>	fish	96 hours

#### Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment. Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
octamethylcyclotetrasilo xane	556-67-2	LC50	10 <sup>µg</sup> / <sub>l</sub>	fish	14 d
octamethylcyclotetrasilo xane	556-67-2	EC50	>500 <sup>mg</sup> / <sub>l</sub>	aquatic invertebrates	24 h
d-limonene	5989-27-5	EC50	0.85 <sup>mg</sup> / <sub>l</sub>	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
octamethylcyclotetrasilo xane	556-67-2	carbon dioxide generation	3.7 %	29 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
octamethylcyclotetrasilo 556-67-2 xane		12,400	4.45	
d-limonene	5989-27-5		4.38	
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
- 14.2 UN proper shipping name
- 14.3 Transport hazard class(es) Class
- 14.4 Packing group
- **14.5** Environmental hazards

not relevant

not relevant

**NONE** (non-environmentally hazardous acc. to the dangerous goods regulations)

(not subject to transport 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)

20.74 %

• 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 17.64 %

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

VOC content

#### • Regulation 648/2004/EC on detergents

#### Labelling of contents

Constituents	Weight % content (or range)	
non-ionic surfactants aliphatic 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

Abbr.	Descriptions of used abbreviations	
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	
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)	
Ν	dangerous for the environment	
PBT	Persistent, Bioaccumulative and Toxic	
PNEC	Predicted No-Effect Concentration	
ppm	parts per million	



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Abbr.	Descriptions of used abbreviations	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals	
Repr.	reproductive toxicity	
Skin Corr.	corrosive to skin	
Skin Irrit.	irritant to skin	
Skin Sens.	skin sensitisation	
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
H315	causes skin irritation
H317	may cause an allergic skin reaction
H318	causes serious eye damage
H319	causes serious eye irritation
H331	toxic if inhaled
H332	harmful if inhaled
H336	may cause drowsiness or dizziness
H361f	suspected of damaging fertility
H400	very toxic to aquatic life
H410	very toxic to aquatic life with long lasting effects
H411	toxic to aquatic life with long lasting effects



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Code	Text	
H412	harmful to aquatic life with long lasting effects	
H413	may cause long lasting harmful effects to aquatic life	
R10	flammable	
R11	highly flammable	
R20	harmful by inhalation	
R23/24/25	toxic by inhalation, in contact with skin and if swallowed	
R34	causes burns	
R36	irritating to eyes	
R38	irritating to skin	
R43	may cause sensitisation by skin contact	
R50/53	very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment	
R51/53	toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment	
R53	may cause long-term adverse effects in the aquatic environment	
R62	possible risk of impaired fertility	
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.