

Article Print c Versic	late:	2418A 03.07.2015 2.0	DWH 310 FLEX r Revision date: 19 Issue date: 19.05	.05.2015	65302 EN Page 1 / 8
	SECTION '	I: Identifica	ation of the substance	e/mixture and of	the company/undertaking
1.1.	Product ide Article No. (I	<b>ntifiers</b> manufacture		2418A DWH 310 FLE>	
1.2. 1.3.			s of the substance or m of the safety data sheet	ixture and uses a	dvised against
	supplier (ma DIAMANT M Hontzlarstr. 41238 Mönc Dept. respo Lab	etallplastic G 12-14 hengladbach	1	<b>ser/distributor)</b> Telephone: +49 Telefax: +49(0):	
1.4.	E-mail (comp Emergency Emergency to Only availab	telephone r	imber	info@diamant-p +49(0)2166-983	
	-	-	identification		
2.1.	Classificatio	on of the su	bstance or mixture g to Regulation (EC) No	. 1272/2008 [CLP]	
	Skin Irrit. 2 / Eye Irrit. 2 / Skin Sens. 1 Aquatic Chro	H315 H319 / H317 onic 2 / H411	as hazardous according skin corrosion/irrita Serious eye dama respiratory or skin Hazardous to the a g to Directive 67/548/EE	ation ge/eye irritation sensitisation aquatic environmen	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.
			as hazardous according Irritant Dangerous for the	to 1999/45/EC.	Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic life. May cause long-term
2.2.	Label eleme Labelling ad Hazard pict	cording to	Regulation (EC) No. 127 Warning	2/2008 [CLP]	adverse effects in the aquatic environment.
	Hazard state         H315         H317         H411         Precautiona         P261         P273         P280         P302 + P352         P305 + P352         P333 + P313         P391         P501         contains:	Ca Ca Ma To <b>ary statemer</b> Av Av W 2 IF I + P338 IF ea 3 If 9 3 If 9 3 If 9 3 If 9	void breathing dust/fume/g void release to the enviror ear protective gloves/prot ON SKIN: Wash with ple	reaction. Ig lasting effects. gas/mist/vapours/s ment. tective clothing/eye nty of soap and wa sly with water for se g. urs: Get medical advice/att	protection/face protection. ter. everal minutes. Remove contact lenses, if present and vice/attention. tention.



			The Metalplastic Company
Article No.: Print date: Version:	2418A 03.07.2015 2.0	DWH 310 FLEX resin (2418) Revision date: 19.05.2015 Issue date: 19.05.2015	65302 EN Page 2 / 8
		Powder	
	Pine		
		henole F-epoxy resin henole A-epoxy resin	
		bis(2,3 epoxypropoxy)butane	
		propyleneglykoldiglycidether	
Supple	emental Hazard info	ormation (EU)	
EUH20	5 Cont	ains epoxy constituents. May produce an	allergic reaction.
Labelli	ng (67/548/EEC or	1999/45/EC)	
×	Xi li	ritant	
¥	N D	angerous for the environment	
Hazard	I statements		
36/38		ting to eyes and skin.	
43 51/53		cause sensitization by skin contact.	arm advarge offects in the equatic environment
			erm adverse effects in the aquatic environment.
24	itionary statements Avoi	d contact with skin.	
26			y with plenty of water and seek medical advice.
37		r suitable gloves.	
61 <b>contai</b>		d release to the environment. Refer to spe	ecial instructions/safety data sheet.
	Poly Bisp 1,4-I	propyleneglykoldiglycidether henole-F- Epoxiresin Bis(2,3-epoxypropoxy)butan	; epoxy resin (number average molecular weight <= 700)
Specia 92	-	rning the labelling of certain mixtures tains epoxy constituents. May produce an	allergic reaction
-	hazards	ans epoxy constituents, may produce an	
SECT	ON 3: Compositi	on / information on ingredients	
3.2. Mixtur	•	<u> </u>	
Produ	ct description / che	mical characterization	
Descri	-	kyresinmix + Fillers	
	lous ingredients	,	
	•	o Regulation (EC) No. 1272/2008 [CLP]	
EC No		.CH No.	
CAS N		mical name	Wt %
		sification	Remark
231-09 7439-8		Powder	50 - 100
7400 0		Irrit. 2 H319 / Skin Irrit. 2 H315 / Skin S	
	3 H4	12	
		119454392-40	40.05
9003-3		henole F-epoxy resin Irrit. 2 H315 / Eye Irrit. 2 H319 / Skin 3	10 - 25 Sens, 1 H317 / Aquatic Chronic
	2 H4	•	
500-03		119456619-26	
25068-		henole A-epoxy resin	10 - 25
603-07	2 H4	Irrit. 2 H315 / Eye Irrit. 2 H319 / Skin 3 11	Sens. 1 H317 / Aquatic Chronic
219-37		· (0.0	<u></u>
2425-7 603-07	2-00-7 Acut	ois(2,3 epoxypropoxy)butane e Tox. 4 H312 / Acute Tox. 4 H332 / 9 / Skin Sens. 1 H317 / Aquatic Chronic	



				The M	leidipidsite company
e No.: date: on:	2418A 03.07.207 2.0	DWH 310 FLEX resin Revision date: 19.05. Issue date: 19.05.201	2015 65	5302 EN age 3 / 8	
231-784-4 7727-43-7		01-2119491274-35-0001 Bariumsulphate			1 - 2,5
9072-62-2		Polypropyleneglykoldiglycidethe Eye Irrit. 2 H319 / Skin Irrit. 2			1 - 2,5
232-688-5 8002-09-3		Pine oil Acute Tox. 3 H311 / Acute T H319 / Skin Sens. 1 H317		1315 / Eye Irrit. 2	< 0,5
	ion accord	ng to Directive 67/548/EEC o	r 1999/45/EC		
EC No. CAS No. INDEX No.		REACH No. Chemical name classification			Wt % Remark
9003-36-5		01-2119454392-40 Bisphenole-F- Epoxiresin Xi; R36-38 / R43 / N; R51-53			10 - 25
500-033-5 25068-38-6 603-074-00		01-2119456619-26 reaction product: bisphenol A- molecular weight <= 700) Xi; R36/38 / R43 / N; R51-53	(epichlorhydrin); epoxy resin	(number average	10 - 25
219-371-7 2425-79-8 603-072-00	)-7	1,4-Bis(2,3-epoxypropoxy)butar Xn; R20/21 / Xi; R36/38 / R43 /			2,5 - 5
231-784-4 7727-43-7		01-2119491274-35-0001 Bariumsulphate			1 - 2,5 *
		Polypropyleneglykoldiglycideth	er		1 - 2,5
9072-62-2		Xi; R36/38 / R43			

#### Additional information

\* Substance with a common (EC) occupational exposure limit value. Full text of R-phrases: see section 16. Full text of H-phrases: see section 16.

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

## 4.1. Description of first aid measures

## **General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

#### **Following inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

#### Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

## After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

## After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

## 4.2. Most important symptoms and effects, both acute and delayed

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

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



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## SECTION 5: Firefighting measures

## 5.1. Extinguishing media

#### Suitable extinguishing media:

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

# Extinguishing media which must not be used for safety reasons:

strong water jet

## 5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

#### 5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

## **SECTION 6:** Accidental release measures

# 6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

## 6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

## 6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

#### 6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

## **SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

## Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

## Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

## 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

## Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

## Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 20 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

## 7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.



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## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

#### Occupational exposure limit values:

INDEX No. not applicable / CAS No.

## 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

## **Occupational exposure controls**

## Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

#### Hand protection

For prolonged or repeated handling the following glove material must be used: Nitrile rubber or butyl rubber

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

#### Eye protection

9.2.

Wear closely fitting protective glasses in case of splashes.

#### **Protective clothing**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

#### **Protective measures**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

## Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

liquid
refer to label
characteristic

Safety relevant basis data		Unit	Method	Remark
Flash point:	200	°C	DIN 53213-1 (08/2002: replaced by EN ISO 1523)	
Ignition temperature in °C:	260	°C		
Lower explosion limit:	not applicable	Vol-%		
Upper explosion limit:	not applicable	Vol-%		
Vapour pressure at 20 °C:	not applicable	mbar		
Density at 20 °C:	2,37	g/cm³		
Water solubility (g/L):	insoluble			
pH at 20 °C:	-			
Viscosity at 20 °C:	18000	mPa⋅s		
Solvent separation test (%):	< 3	%	ADR/RID	
Solid content (%):	99,57	Wt %		
solvent content:				
Organic solvents:	0	Wt %		
Water:	0	Wt %		
Other information				
SECTION 10: Stability and reactive	vity			



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## 10.1. Reactivity

## 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

## 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

## 10.4. **Conditions to avoid** Hazardous decomposition byproducts may form with exposure to high temperatures.

## 10.5. Incompatible materials

## 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## **SECTION 11: Toxicological information**

No data on preparation itself available.

## 11.1. Information on toxicological effects

## Acute toxicity

Toxicological data are not available.

## Irritant and corrosive effects

Bisphenole A-epoxy resin Skin (4 h)

Bisphenole F-epoxy resin Skin (4 h)

## Sensitisation

Bisphenole A-epoxy resin Skin:

Bisphenole F-epoxy resin Skin:

# Specific target organ toxicity

Toxicological data are not available.

## Aspiration hazard

Toxicological data are not available.

## Practical experience/human evidence

## Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

## **Overall Assessment on CMR properties**

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to 67/548/EEC.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

# **SECTION 12: Ecological information**

## overall evaluation

There is no information available on the preparation itself . Do not allow to enter into surface water or drains.

## 12.1. Toxicity

Toxicological data are not available.

Long-term Ecotoxicity



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Bisphenole A-epoxy resin Fish toxicity, LC50: (96 h) Bisphenole F-epoxy resin Fish toxicity, LC50: (96 h)

12.2. **Persistence and degradability** Toxicological data are not available.

12.3. **Bioaccumulative potential** Toxicological data are not available.

12.4. **Mobility in soil** Toxicological data are not available.

# 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

# Appropriate disposal / Product

# Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

## List of proposed waste codes/waste designations in accordance with EWC 080111 waste paint and varnish containing organic solvents or

waste paint and varnish containing organic solvents or other dangerous substances

## packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

# **SECTION 14: Transport information**

## 14.1. UN number

3082

14.2.	UN proper shipping name	
	Land transport (ADR/RID):	Environmentally hazardous substance, liquid, n.o.s.
	See trapport (IMDC):	((Bisphenol F epoxy resin))
	Sea transport (IMDG):	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Bisphenol F epoxy resin))
	Air transport (ICAO-TI / IATA-DGR):	Environmentally hazardous substance, liquid, n.o.s.
		((Bisphenol F epoxy resin))
14.3.	Transport hazard class(es)	
		9
14.4.	Packing group	
		III
14.5.	Environmental hazards	
	Land transport (ADR/RID)	UMWELTGEFÄHRDEND
	Marine pollutant	p / (Bisphenol F epoxy resin)
14.6.	Special precautions for user	
	Transport always in closed, upright and safe con case of an accident or leakage. Advices on safe handling: see parts 6 - 8	tainers. Make sure that persons transporting the product know what to do in
	Additional information	
	Land transport (ADR/RID)	
	tunnel restriction code	E



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Sea tra	nsport (IMDG)		
EmS-No		F-A, S-F	
		g to Annex II of MARPOL 73/78 and the IB	C Code
-			
not app			
SECTI	ON 15: Regulatory	information	
5.1. Safety,	health and environ	mental regulations/legislation specific for	the substance or mixture
EU legi	slation		
VOC-va	ation according to 1 alue (in g/L) ISO 1189 alue (in g/L) ASTM D	00-2: 10	f volatile organic compounds (VOC-guideline).
Nationa	al regulations		
	tions of occupation		
		tions under the Maternity Protection Directive oyment for juvenils according to the 'juvenile	(92/85/EEC) for expectant or nursing mothers. work protection guideline' (94/33/EC).
Other r	egulations, restriction	ons and prohibition regulations	
	al Safety Assessme		corriad out
Chemic	al salety assessment		
	-	is for substances in this preparation were not	
SECTI	ON 16: Other infor	rmation	
SECTI Releva	ON 16: Other infor nt R-and H-phrases	mation (Number and full text):	
SECTI Releva Eye Irrit	ON 16: Other infor nt R-and H-phrases	(Number and full text): Serious eye damage/eye irritation	Causes serious eye irritation.
SECTI Releva Eye Irrit Skin Irri	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation	Causes serious eye irritation. Causes skin irritation.
SECTION Relevan Eye Irrit Skin Irri Skin Se	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 s. 1 / H317	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction.
SECTI Relevan Eye Irrit Skin Irri Skin Se Aquatic	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 1 / H317 Chronic 3 / H412	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects
SECTI Releva Eye Irrit Skin Irri Skin Se Aquatic Aquatic	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 s. 1 / H317	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction.
SECTI Relevan Eye Irrit Skin Irri Skin Se Aquatic Aquatic Acute T	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 1 / H317 Chronic 3 / H412 Chronic 2 / H411	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment Acute toxicity (dermal)	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects Toxic to aquatic life with long lasting effects.
SECTI Relevan Eye Irrit Skin Irri Skin Se Aquatic Aquatic Acute T Acute T	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 ns. 1 / H317 Chronic 3 / H412 Chronic 2 / H411 ox. 4 / H312	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects Toxic to aquatic life with long lasting effects. Harmful in contact with skin.
SECTION Relevant Eye Irritt Skin Irrit Skin Se Aquatic Aquatic Aquatic Acute T Acute T Acute T	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 ns. 1 / H317 Chronic 3 / H412 Chronic 2 / H411 ox. 4 / H312 ox. 4 / H332	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment Acute toxicity (dermal) Acute toxicity (inhalative) Acute toxicity (dermal)	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects Toxic to aquatic life with long lasting effects. Harmful in contact with skin. Harmful if inhaled.
SECTION Relevant Eye Irritt Skin Irrit Skin Se Aquatic Aquatic Aquatic Acute T Acute T Acute T	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 ns. 1 / H317 Chronic 3 / H412 Chronic 2 / H411 ox. 4 / H312 ox. 4 / H322 ox. 3 / H311 ox. 3 / H331	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment Acute toxicity (dermal) Acute toxicity (inhalative)	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects Toxic to aquatic life with long lasting effects. Harmful in contact with skin. Harmful if inhaled. Toxic in contact with skin.
SECTION Relevant Eye Irrit Skin Irri Skin Se Aquatic Aquatic Aquatic Acute T Acute T Acute T	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 ns. 1 / H317 Chronic 3 / H412 Chronic 2 / H411 ox. 4 / H312 ox. 4 / H322 ox. 3 / H311 ox. 3 / H331	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment Acute toxicity (dermal) Acute toxicity (inhalative) Acute toxicity (dermal) Acute toxicity (inhalative)	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects Toxic to aquatic life with long lasting effects. Harmful in contact with skin. Harmful if inhaled. Toxic in contact with skin. Toxic if inhaled.
SECTION Releval Eye Irrit Skin Irri Skin Se Aquatic Aquatic Aquatic Acute T Acute T Acute T Acute T Xi; R36/	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 ns. 1 / H317 Chronic 3 / H412 Chronic 2 / H411 ox. 4 / H312 ox. 4 / H322 ox. 3 / H311 ox. 3 / H331 /38	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment Acute toxicity (dermal) Acute toxicity (inhalative) Acute toxicity (dermal) Acute toxicity (inhalative)	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful in contact with skin. Harmful if inhaled. Toxic in contact with skin. Toxic if inhaled. Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic life. May cause long-term
SECTION Relevan Eye Irrit Skin Irri Skin Se Aquatic Aquatic Aquatic Acute T Acute T Acute T Acute T Xi; R36, R43 N; R51-	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 ns. 1 / H317 Chronic 3 / H412 Chronic 2 / H411 fox. 4 / H312 fox. 4 / H332 fox. 3 / H311 fox. 3 / H331 fox. 3 /	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment Acute toxicity (dermal) Acute toxicity (inhalative) Acute toxicity (inhalative) Irritant	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful in contact with skin. Harmful if inhaled. Toxic in contact with skin. Toxic if inhaled. Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment.
SECTION Relevan Eye Irrit Skin Irri Skin Se Aquatic Aquatic Aquatic Aquatic Acute T Acute T Acute T Acute T Xi; R360 Xi; R360	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 s. 1 / H317 Chronic 3 / H412 Chronic 2 / H411 ox. 4 / H312 ox. 4 / H322 ox. 3 / H311 ox. 3 / H331 /38 53 -38	<b>(Number and full text):</b> Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment Acute toxicity (dermal) Acute toxicity (inhalative) Acute toxicity (inhalative) Irritant Dangerous for the environment	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful in contact with skin. Harmful if inhaled. Toxic in contact with skin. Toxic if inhaled. Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment. Irritating to eyes. Irritating to skin.
SECTION Relevan Eye Irrit Skin Irri Skin Se Aquatic Aquatic Acute T Acute T Acute T Acute T Xi; R36/ R43 N; R51- Xi; R36- Xn; R20	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 1 / H317 Chronic 3 / H412 Chronic 2 / H411 fox. 4 / H312 fox. 4 / H332 fox. 3 / H311 fox. 3 / H311 fox. 3 / H331 fox. 4 / H332 fox. 4 /	(Number and full text): Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment Acute toxicity (dermal) Acute toxicity (inhalative) Acute toxicity (inhalative) Irritant	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful in contact with skin. Harmful if inhaled. Toxic in contact with skin. Toxic if inhaled. Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment. Irritating to eyes. Irritating to skin. Harmful by inhalation and in contact with skin.
SECTION Relevan Eye Irrit Skin Irri Skin Se Aquatic Aquatic Aquatic Acute T Acute T Acute T Acute T Xi; R360 R43 N; R51- Xi; R360	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 1 / H317 Chronic 3 / H412 Chronic 2 / H411 fox. 4 / H312 fox. 4 / H332 fox. 3 / H311 fox. 3 / H311 fox. 3 / H331 fox. 4 / H332 fox. 4 /	<b>(Number and full text):</b> Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation Hazardous to the aquatic environment Hazardous to the aquatic environment Acute toxicity (dermal) Acute toxicity (inhalative) Acute toxicity (inhalative) Irritant Dangerous for the environment	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful in contact with skin. Harmful if inhaled. Toxic in contact with skin. Toxic if inhaled. Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment. Irritating to eyes. Irritating to skin. Harmful by inhalation and in contact with skin Harmful to aquatic life. May cause long-term
SECTION Relevan Eye Irrit Skin Irri Skin Se Aquatic Aquatic Acute T Acute T Acute T Acute T Xi; R36, R43 N; R51- Xi; R36- Xn; R20 R52-53	ON 16: Other infor nt R-and H-phrases 2 / H319 t. 2 / H315 1 / H317 Chronic 3 / H412 Chronic 2 / H411 fox. 4 / H312 fox. 3 / H311 fox. 3 / H331 fox. 4 / H332 fox. 4 /	<b>rmation</b> (Number and full text):         Serious eye damage/eye irritation skin corrosion/irritation respiratory or skin sensitisation         Hazardous to the aquatic environment         Hazardous to the aquatic environment         Acute toxicity (dermal)         Acute toxicity (inhalative)         Acute toxicity (inhalative)         Irritant         Dangerous for the environment         Harmful	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects. Toxic to aquatic life with long lasting effects. Harmful in contact with skin. Harmful if inhaled. Toxic in contact with skin. Toxic if inhaled. Irritating to eyes and skin. May cause sensitization by skin contact. Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment. Irritating to eyes. Irritating to skin. Harmful by inhalation and in contact with skin Harmful to aquatic life. May cause long-term adverse effects in the aquatic environment.
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The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.