






18. Nov. 2022

Safety Data Sheet according to 1907/2006/EC, Article 31

Trade name: FL22YFL	Flux gel	F-SW 32 Typ 1.2.3.A DIN EN 29454
<p>1.) <u>IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</u></p> <p>1.1) Details of the supplier</p> <p>Manufacturer/Supplier: Address:</p> <p>Informing department: Emergency telephone number:</p> <p>Product identifier:</p> <p>1.2) Relevant identified uses of the substance or mixture and uses advised against</p> <p>Application of the substance/the preparation:</p>	<p>EDSYN GMBH EUROPA Finkenweg 2 Tel. 09342 – 6413 D 97892 Kreuzwertheim Fax: 09342 – 6417</p> <p>Quality Tel. 09342 – 6413 As above or next toxicological information centre.</p> <p>No further relevant information available.</p> <p>Soldering flux.</p>	
<p>2.) <u>HAZARDS IDENTIFICATION</u></p> <p>2.1) Classification of the substance or mixture</p> <p>Classification according to Regulation (EC) No 1272/2008</p> <p>Classification according to Directive 67/548/EEC or Directive 1999/45/EC</p>	<div style="text-align: center;">  GHS07 </div> <p>Skin Irrit.2 H315 Causes skin irritation. Eye Irrit 2 H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction.</p> <p>Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.</p> <div style="text-align: center;">  Xi; Irritant </div> <p>R36 Irritating to eyes.</p> <div style="text-align: center;">  Xi; Sensitising </div>	



18. Nov. 2022

<p>Classification system:</p> <p>2.2) Label elements</p> <p>Labelling according to Regulation (EC) No 1272/2008</p> <p>Hazard pictograms:</p> <p>Signal word:</p> <p>Hazard-determining components of labelling:</p> <p>Hazard statements:</p> <p>Precautionary statements:</p> <p>2.3) Other hazards</p> <p>Results of PBT- and vPvB-assessment:</p> <p>PBT: vPvB:</p>	<p>R43 May cause sensitisation by skin contact. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>The classification is according to the latest editions of the EU-lists, and extended by company and literature data.</p> <p>The product is classified and labelled according to the CLP regulation.</p> <div data-bbox="730 779 837 891" data-label="Image"> </div> <p>GHS07</p> <p>Warning</p> <p>Rosin, esterified. tetradecahydro-7-isopropyl-1, 4a-dimethylphenanthren-1-methanol.</p> <p>H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.</p> <p>P280 Wear protective gloves/protective clothing/eye protection / face protection. P273 Avoid release to the environment. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water / shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 If skin irritation or rash occurs: Get medical advice / attention.</p> <p>Not applicable. Not applicable.</p>
<p>3.) <u>COMPOSITION/INFORMATION ON INGREDIENTS</u></p> <p>3.1) Chemical characterization: Mixtures</p>	<p>Description: Mixture of the substances listed below with non hazardous additions.</p>



Dangerous components:

CAS:83137-13-7 EINECS: 280-192-2	Rosin, esterified Xi R43 Skin Sens.1, H317	3-<10%
CAS: 1072-62-4 EINECS: 214-011-5	2-Ethylimidazole Xn R22; Xi R36/38 Acute Tox.4, H302; Skin Irrit.2, H315; Eye Irrit.2; H319	3-<10%
CAS : 635-51-8 EINECS : 211-238-1	phenylsuccinic acid Xi R36/37/38 Skin Irrit.2, H315; Eye Irrit.2, H319; STOT SE 3, H335	3-<10%
CAS: 13393-93-6 EINECS: 236-476-3	tetradecahydro-7-isopropyl-1, 4a-dimethylphenanthren-1-methanol Xi R43 R53 Skin Sens 1, H317; Aquatic Chronic 4, H413	3-<10%
CAS: 61791-14-8 Polymer	Amines, coco alkyl, ethoxylated Xn R22; Xi R36; N R51/53 Aquatic Chronic 2, H411; Acute Tox. 4, H302; Eye Irrit.2, H319	3-<10%
CAS: 110-15-6 EINECS: 203-740-4	Succinic acid Xi R41 Eye Dam. 1, H318	2,5-<3%
CAS: 1116-76-3 EINECS: 214-242-1	trioctylamine Xi R36/37/38 Skin Irrit. 2, H315 ; Eye Irrit.2, H319 ; STOT SE 3, H335	≤ 2,5%
CAS : 498-21-5 EINECS : 207-857-1	Methylsuccinic acid Xi R36/37/38 Skin Irrit.2, H315; Eye Irrit.2, H319; STOT SE 3, H335	≤ 2,5%

Additional information:

For the wording of the listed risk phrases refer to section 16.

4.) FIRST AID MEASURES

4.1) Description of first aid measures

General information:

Remove contaminated clothing.

After inhalation:

Supply fresh air; consult doctor in case of symptoms.

After skin contact:

Wash with soap and water. If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor. Remove contact lenses, if present and easy to do.

After swallowing:

Rinse out mouth and then drink plenty of water. Get medical advice for safety reasons.



18. Nov. 2022

<p>4.2) Most important symptoms and effects, both acute and delayed</p> <p>4.3) Indication of any immediate medical attention and special treatment needed</p>	<p>No further relevant information available.</p> <p>symptomatic treatment.</p>
<p>5.) <u>FIREFIGHTING MEASURES</u></p> <p>5.1) Extinguishing media</p> <p>Suitable extinguishing agents:</p> <p>For safety reasons unsuitable extinguishing agents:</p> <p>5.2) Special hazards arising from the substance or mixture</p> <p>5.3) Advice for firefighters</p> <p>Protective equipment:</p> <p>Additional information:</p>	<p>Carbon dioxide (CO₂), extinguishing powder spray/fog. Fight larger fires with water spray/fog or alcohol-resistant foam.</p> <p>Water with a full water jet.</p> <p>Under certain fire conditions, traces of other toxic gases cannot be excluded. Nitrogen oxides (NO_x), Carbon monoxide (CO) and Carbon dioxide (CO₂).</p> <p>Wear self-contained breathing apparatus.</p> <p>Cool endangered containers with water spray jet. Dispose of fire debris and contaminated fire Fighting water in accordance with official regulations. If without risk possible, move drums with material away from dangerous area.</p>
<p>6.) <u>ACCIDENTAL RELEASE MEASURES</u></p> <p>6.1) Personal precautions, protective equipment and emergency procedures</p> <p>6.2) Environmental precautions</p> <p>6.3) Methods and material for containment and cleaning up</p> <p>6.4) Reference to other sections</p>	<p>Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapour.</p> <p>Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or sewage system.</p> <p>Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable containers. Dispose of the material collected according to regulations.</p> <p>See section 8 for information on personal protection equipment.</p>
<p>7.) <u>HANDLING AND STORAGE</u></p> <p>7.1) Precautions for safe handling</p> <p>Information about protection against explosions and fires:</p>	<p>Ensure good ventilation/exhaustion at the workplace. Avoid contact with skin and eyes.</p> <p>Keep ignition sources away – Do not smoke.</p>



18. Nov. 2022

<p>7.2) Conditions for safe storage, including any incompatibilities</p> <p><u>STORAGE</u> Requirements to be met by storerooms and containers:</p> <p>Information about storage in one common storage facility:</p> <p>Further information about storage conditions:</p> <p>7.3) Specific end use(s)</p>	<p>Observe all local and national regulations for storage of water polluting products.</p> <p>Store away from foodstuffs.</p> <p>Store container in a well ventilated position. Store in cool, dry conditions in well sealed containers</p> <p>No further relevant information available.</p>
<p>8.) <u>EXPOSURE CONTROLS/PERSONAL PROTECTION</u></p> <p>Additional information about design of technical systems:</p> <p>8.1) Control parameters</p> <p>Components with critical values that require monitoring at the workplace:</p> <p>Additional information:</p> <p>8.2) Exposure controls</p> <p>Personal protective equipment:</p> <p>General protective and hygienic measures:</p> <p>Breathing equipment:</p> <p>Protection of hands:</p>	<p>No further data; see item 7.</p> <p>The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.</p> <p>The lists that were valid during the compilation were used as basis.</p> <p>Avoid contact with the eyes. Avoid close or long term contact with the skin. Do not inhale gases / fumes / aerosols. Use skin protection cream for preventive skin protection. Wash hands during breaks and at the end of the work. Do not eat, drink or smoke while working. Keep away from foodstuffs, beverages and foot.</p> <p>Use breathing protection with high concentrations. If all workplace limits are observed and good ventilations is ensured, no special precautions necessary.</p> <p>Protection gloves. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The glove material has to be impermeable and resistant to the product/the substance/the preparation. Check the permeability prior to each renewed use of the glove. To avoid skin problems reduce the wearing of gloves to the required minimum. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.</p>



18. Nov. 2022

<p>Eye protection:</p> <p>Body protection:</p> <p>Limitation and supervision of exposure into the environment:</p>	<p><u>Material of gloves</u></p> <p>The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p><u>Penetration time of glove material</u></p> <p>Protective gloves should be replaced at first signs of wear. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.</p> <p><u>As protection from splashes gloves made of the following materials are suitable</u></p> <p>Butyl rubber - BR Fluorocarbon rubber (Viton) - FKM</p> <p>Tightly sealed safety glasses.</p> <p>Protective work clothing. Body protection must be chosen depending on activity and possible exposure.</p> <p>Do not allow to enter drainage system, surface or ground water.</p>
<p>9.) <u>PHYSICAL AND CHEMICAL PROPERTIES</u></p> <p>9.1) Information on basic physical and chemical properties</p> <p><u>General information</u></p> <p>Appearance:</p> <p>Form:</p> <p>Colour:</p> <p>Smell:</p> <p>Odour threshold:</p> <p>pH-value:</p> <p><u>Change in condition</u></p> <p>Melting point/Melting range:</p> <p>Boiling point/Boiling range:</p> <p>Flash point:</p> <p>Inflammability (solid, gaseous):</p> <p>Ignition temperature:</p> <p>Decomposition temperature:</p> <p>Self-inflammability:</p>	<p>liquid</p> <p>different according to colour</p> <p>characteristic</p> <p>not determined</p> <p>not determined</p> <p>not determined</p> <p>not determined</p> <p>124 °C (ASTM D93 (Pensky-Martens))</p> <p>not determined.</p> <p>186 °C (DIN 51794)</p> <p>not determined.</p> <p>Product is not selfigniting.</p>



18. Nov. 2022

<p>Danger of explosion: Critical values for explosion, Lower Critical values for explosion, Upper: Oxidizing properties: Vapour pressure: Density at 20 °C: Relative density: Vapour density (AIR = 1): Evaporation rate: Solubility in / Miscibility with water: Partition coefficient (n-octanol/water): Viscosity dynamic: Viscosity kinematic:</p>	<p>Product is not explosive. not determined. not determined. Not classified as oxidising. not determined. 1 g/cm³ not determined. not determined. not determined. not miscible or difficult to mix. not determined. not determined. not determined.</p>																					
<p>9.2.) Other information</p>	<p>Further information please refer to technical data sheet.</p>																					
<p>10.) <u>STABILITY AND REACTIVITY</u></p> <p>10.1) Reactivity</p> <p>10.2) Chemical stability Thermal decomposition / conditions to be avoided:</p> <p>10.3) Possibility of hazardous reactions</p> <p>10.4) Conditions to avoid</p> <p>10.5) Incompatible materials</p> <p>10.6) Hazardous decomposition products</p>	<p>No further relevant information available</p> <p>No decomposition if used stored according to specifications.</p> <p>No dangerous reactions known.</p> <p>No further relevant information available.</p> <p>Strong oxidizing agents.</p> <p>Nitrogen oxides (NO_x), Carbon monoxide (CO) und Carbon dioxide (CO₂).</p>																					
<p>11.) <u>TOXICOLOGICAL INFORMATION</u></p> <p>11.1) Information on toxicological effects</p> <p>Acute toxicity: LD/LC50 values that are relevant for classification:</p>	<table><tr><td colspan="3">1072-62-4 2-Ethylimidazole</td></tr><tr><td>Oral</td><td>LD50</td><td>1400mg/kg (rat)</td></tr></table> <table><tr><td colspan="3">110-15-6 Succinic acid</td></tr><tr><td>Oral</td><td>LD50</td><td>2260mg/kg (rat)</td></tr><tr><td>Dermal</td><td>LD50</td><td>1000mg/kg (guinea pig)</td></tr></table> <table><tr><td colspan="3">61791-14-8 Amines, coco alkyl, ethoxylated</td></tr><tr><td>Oral</td><td>LD50</td><td>1000 - 1500mg/kg (rat) (OECD 401)</td></tr></table>	1072-62-4 2-Ethylimidazole			Oral	LD50	1400mg/kg (rat)	110-15-6 Succinic acid			Oral	LD50	2260mg/kg (rat)	Dermal	LD50	1000mg/kg (guinea pig)	61791-14-8 Amines, coco alkyl, ethoxylated			Oral	LD50	1000 - 1500mg/kg (rat) (OECD 401)
1072-62-4 2-Ethylimidazole																						
Oral	LD50	1400mg/kg (rat)																				
110-15-6 Succinic acid																						
Oral	LD50	2260mg/kg (rat)																				
Dermal	LD50	1000mg/kg (guinea pig)																				
61791-14-8 Amines, coco alkyl, ethoxylated																						
Oral	LD50	1000 - 1500mg/kg (rat) (OECD 401)																				
<p><u>Primary irritant effect</u></p> <p>on the skin:</p> <p>on the eye:</p>	<p>Irritant for skin and mucous membranes.</p> <p>Causes serious eye irritation.</p>																					



18. Nov. 2022

<p>Subacute to chronic toxicity:</p> <p>Additional toxicological information:</p> <p>Sensitisation:</p> <p>Repeated dose toxicity:</p> <p>CMR-effects (carcinogenicity, mutagenicity and toxicity for reproduction):</p>	<p>no data / no sufficient data available.</p> <p>The product shows the following dangers according to the calculation method of Regulation (EC) No. 1272/2008 (CLP/GHS): Eye Irrit. 2 Skin Irrit. 2 Skin Sens. 1</p> <p>May cause sensitisation by skin contact.</p> <p>According to information currently no known toxic effects.</p> <p>According to present knowledge no CMR-effects known.</p>										
<p>12.) <u>ECOLOGICAL INFORMATION</u></p> <p>12.1) Toxicity</p> <p>Aquatic toxicity:</p> <p>12.2) Persistence and degradability</p> <p>12.3) Bioaccumulative potential</p> <p>12.4) Mobility in soil</p> <p>Ecotoxical effects: Remark:</p> <p>Additional ecological information:</p> <p>Chemical Oxygen Demand (COD-value):</p> <p>Biochemical Oxygen Demand (BOD5-value):</p> <p>General notes:</p> <p>12.5) Results of PBT- and vPvB-assessment</p> <p>PBT:</p> <p>vPvB:</p>	<table border="1" data-bbox="730 1003 1527 1064"> <tr> <th colspan="2">110-15-6 Succinic acid</th></tr> <tr> <td>EC50/48 h</td><td>374,2 mg/l (water flea (daphnia magna))</td></tr> </table> <table border="1" data-bbox="730 1115 1527 1205"> <tr> <th colspan="2">61791-14-8 Amines, coco alkyl, ethoxylated</th></tr> <tr> <td>EC50/24 h</td><td>27 mg/l (water flea (daphnia magna))</td></tr> <tr> <td>LC50/48 h</td><td>6,4 mg/l (leuciscus idus)</td></tr> </table> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>Harmful to fish.</p> <p>not determined.</p> <p>not determined.</p> <p>There are no quantitative data on the ecological effects of this product available to us. Harmful to aquatic life with long lasting effects. Do not allow product to reach ground water, water bodies or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into soil.</p> <p><u>Water danger class 3 (Self-assessment):</u> Extremely hazardous for water.</p> <p>Not applicable.</p> <p>Not applicable.</p>	110-15-6 Succinic acid		EC50/48 h	374,2 mg/l (water flea (daphnia magna))	61791-14-8 Amines, coco alkyl, ethoxylated		EC50/24 h	27 mg/l (water flea (daphnia magna))	LC50/48 h	6,4 mg/l (leuciscus idus)
110-15-6 Succinic acid											
EC50/48 h	374,2 mg/l (water flea (daphnia magna))										
61791-14-8 Amines, coco alkyl, ethoxylated											
EC50/24 h	27 mg/l (water flea (daphnia magna))										
LC50/48 h	6,4 mg/l (leuciscus idus)										



18. Nov. 2022

12.6) Other adverse effects	No further relevant information available.
13.) <u>DISPOSAL CONSIDERATIONS</u> 13.1) Waste treatment methods Recommendation: European waste catalogue: Uncleaned packagings: Recommendation:	 Disposal must be according to official regulations. Waste disposal key numbers from EWC have to be assigned depending on origin and processing. Disposal must be made according to official regulations.
14.) <u>TRANSPORT INFORMATION</u> 14.1) UN-Number ADR, IMDG, IATA 14.2) UN proper shipping name ADR, IMDG, IATA 14.3) Transport hazard class(es) ADR, IMDG, IATA Class 14.4) Packing group ADR, IMDG, IATA 14.5) Special precautions for user 14.6) Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Transport/Additional information: UN „Model Regulation“:	 Void. Void. Void. Void. Not applicable. Not applicable. Not dangerous according to the above specifications. -
15.) <u>REGULATORY INFORMATION</u> 15.1) Safety, health and environmental regulations/legislation specific for the substance or mixture <u>National regulations</u> Information about limitation of use: Decree to be applied in case of technical fault: Water hazard class:	 Employment restrictions concerning young persons must be observed. Directive 96/82/EC does not apply. Water danger class 3 (Self-assessment): extremely hazardous for water.



18. Nov. 2022

<p>Other regulations, limitations and prohibitive regulations</p> <p>Substances of very high concern (SVHC) according to REACH, Article 57:</p> <p>15.2) Chemical safety assessment</p>	<p>This mixture does not contain any substances, that are included in the candidate list for eventual authorisation.</p> <p>A Chemical Safety Assessment has not been carried out.</p>																																																		
<p>16.) <u>OTHER INFORMATION</u></p> <p>Reasons for changes:</p> <p>Relevant phrases:</p> <p>Abbreviations and acronyms:</p>	<p>These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.</p> <p>The Material Safety Data Sheet has been revised. Changes in classification and labelling.</p> <p>The(se) R-resp. H-phrases are those of the ingredient(s) and do(es) not necessarily represent the classification of the preparation/mixture.</p> <table border="0"> <tr><td>H302</td><td>Harmful if swallowed.</td></tr> <tr><td>H315</td><td>Causes skin irritation.</td></tr> <tr><td>H317</td><td>May cause an allergic skin reaction.</td></tr> <tr><td>H318</td><td>Causes serious eye damage.</td></tr> <tr><td>H319</td><td>Causes serious eye irritation.</td></tr> <tr><td>H335</td><td>May cause respiratory irritation.</td></tr> <tr><td>H411</td><td>Toxic to aquatic life with long lasting effects.</td></tr> <tr><td>H413</td><td>May cause long lasting harmful effects to aquatic life.</td></tr> <tr><td>R22</td><td>Harmful if swallowed.</td></tr> <tr><td>R36</td><td>Irritating to eyes.</td></tr> <tr><td>R36/37/38</td><td>Irritating to eyes, respiratory system and skin.</td></tr> <tr><td>R36/38</td><td>Irritating to eyes and skin.</td></tr> <tr><td>R41</td><td>Risk of serious damage to eyes.</td></tr> <tr><td>R43</td><td>May cause sensitisation by skin contact.</td></tr> <tr><td>R51/53</td><td>Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</td></tr> <tr><td>R53</td><td>May cause long-term adverse effects in the aquatic environment.</td></tr> </table> <table border="0"> <tr><td>ADR</td><td>Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)</td></tr> <tr><td>IMDG:</td><td>International Maritime Code for Dangerous Goods.</td></tr> <tr><td>IATA</td><td>International Air Transport Association</td></tr> <tr><td>GHS</td><td>Globally Harmonized System of Classification and Labelling of Chemicals</td></tr> <tr><td>EINECS</td><td>European Inventory of Existing Commercial Chemical Substances</td></tr> <tr><td>EILINCS</td><td>European List of Notified Chemical Substances</td></tr> <tr><td>CAS</td><td>Chemical Abstracts Service (division of the American Chemical Society)</td></tr> <tr><td>LC50</td><td>Lethal concentration, 50 percent</td></tr> <tr><td>LD50</td><td>Lethal dose, 50 percent</td></tr> </table>	H302	Harmful if swallowed.	H315	Causes skin irritation.	H317	May cause an allergic skin reaction.	H318	Causes serious eye damage.	H319	Causes serious eye irritation.	H335	May cause respiratory irritation.	H411	Toxic to aquatic life with long lasting effects.	H413	May cause long lasting harmful effects to aquatic life.	R22	Harmful if swallowed.	R36	Irritating to eyes.	R36/37/38	Irritating to eyes, respiratory system and skin.	R36/38	Irritating to eyes and skin.	R41	Risk of serious damage to eyes.	R43	May cause sensitisation by skin contact.	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.	ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)	IMDG:	International Maritime Code for Dangerous Goods.	IATA	International Air Transport Association	GHS	Globally Harmonized System of Classification and Labelling of Chemicals	EINECS	European Inventory of Existing Commercial Chemical Substances	EILINCS	European List of Notified Chemical Substances	CAS	Chemical Abstracts Service (division of the American Chemical Society)	LC50	Lethal concentration, 50 percent	LD50	Lethal dose, 50 percent
H302	Harmful if swallowed.																																																		
H315	Causes skin irritation.																																																		
H317	May cause an allergic skin reaction.																																																		
H318	Causes serious eye damage.																																																		
H319	Causes serious eye irritation.																																																		
H335	May cause respiratory irritation.																																																		
H411	Toxic to aquatic life with long lasting effects.																																																		
H413	May cause long lasting harmful effects to aquatic life.																																																		
R22	Harmful if swallowed.																																																		
R36	Irritating to eyes.																																																		
R36/37/38	Irritating to eyes, respiratory system and skin.																																																		
R36/38	Irritating to eyes and skin.																																																		
R41	Risk of serious damage to eyes.																																																		
R43	May cause sensitisation by skin contact.																																																		
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.																																																		
ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)																																																		
IMDG:	International Maritime Code for Dangerous Goods.																																																		
IATA	International Air Transport Association																																																		
GHS	Globally Harmonized System of Classification and Labelling of Chemicals																																																		
EINECS	European Inventory of Existing Commercial Chemical Substances																																																		
EILINCS	European List of Notified Chemical Substances																																																		
CAS	Chemical Abstracts Service (division of the American Chemical Society)																																																		
LC50	Lethal concentration, 50 percent																																																		
LD50	Lethal dose, 50 percent																																																		



18. Nov. 2022

<p>Sources:</p> <p>Data compared to the previous version altered:</p> <p>Revision:</p> <p>Version:</p>	<p>Acute Tox. 4 Acute toxicity, Hazard Category 4</p> <p>Skin Irrit. 2 Skin corrosion/irritation, Hazard Category 2</p> <p>Eye dam. 1 Serious eye damage/eye irritation, Hazard Category 1</p> <p>Eye Irrit. 2 Serious eye damage/eye irritation, Hazard Category 2</p> <p>Skin sens. 1 Sensitisation – Skin, Hazard Category 1</p> <p>STOT SE 3 Specific target organ toxicity – Single exposure, Hazard Category 3</p> <p>Aquatic Chronic 2 Hazardous to the aquatic environment – Chronic Hazard, Category 2</p> <p>Aquatic Chronic 3 Hazardous to the aquatic environment – Chronic Hazard, Category 3</p> <p>Aquatic Chronic 4 Hazardous to the aquatic environment – Chronic Hazard, Category 4</p> <p>These data are based on information submitted by pre-suppliers.</p> <p>18.03.2014 / 11.05.2015</p> <p>5</p>
--	--