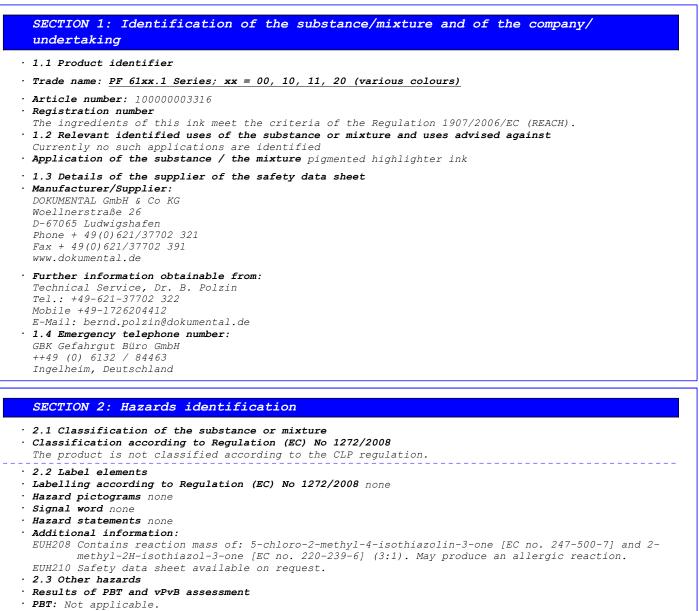
## Safety data sheet



Page 1/5 Printing date 18.01.2018 Revision: 18.01.2018 Version number 32



- **vPvB:** Not applicable.

#### SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.
- · Dangerous components: none
- · Additional information: For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: No special measures required.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.
- · 4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- $\cdot$  4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

(Contd. on page 2)

**D**II

(Contd. of page 1)

### SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

# SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
   6.2 Environmental precautions:
- Dilute with plenty of water.
- Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). • 6.4 Reference to other sections
- No dangerous substances are released.
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

7.1 Precautions for safe handling
 No special measures required.
 Ensure good ventilation/exhaustion at the workplace.

 Information about fire - and explosion protection: No special measures required.

- · 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- Storage class: 10
- · 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- Personal protective equipment:
- $\cdot$  General protective and hygienic measures:
- The usual precautionary measures are to be adhered to when handling chemicals.
- · Respiratory protection: Not required.
- · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation  $% \left( {{{\left[ {{{c_{1}}} \right]}}} \right)$ 

If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.

• Material of gloves

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. Nitrile rubber, NBR

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Goggles recommended during refilling

(Contd. of page 2)

Water: 63.2 %	
Appearance: Form:Fluid According to product specificat: Odour:Odour:According to product specificat: Product specificOdour threshold:Not determined.Important information on protection of health and environment, and on safetypH-value at 20 °C:7Change in condition Melting point/freezing point: Initial boiling point and boiling range:100 °CFlash point:160 °CFlammability (solid, gas):Not applicable.Ignition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Not determined.Explosion limits: Lower: Qupper:3.2 Vol \$Vapour pressure at 20 °C:23 hPaDensity at 20 °C: Vapour density1.1 g/cm³Relative density Vapour densityNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C: Dynamic at 20 °C:5 mPas Kinematic:Solvent content: Water:5.2 §	
Form:FluidColour:According to product specificOdour:Product specificOdour threshold:Not determined.Important information on protection of health and-environment, and on safetypH-value at 20 °C:7Change in conditionUndetermined.Melting point/freezing point:Undetermined.Initial boiling point and boiling range:100 °CFlash point:160 °CFlash point:Not applicable.Ignition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Not determined.Lower:3.2 Vol %Upper:53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Vapour densityNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C:5 mPas Not determined.Solvent content: Kinematic:Not determined.Solvent content: Water:63.2 %	
Odour:Product specific Not determined.Important information on protection of health and environment, and on safetypH-value at 20 °C:7Change in condition Melting point/freezing point:Undetermined.Initial boiling point and boiling range:100 °CFlash point:160 °CFlash point:160 °CFlammability (solid, gas):Not applicable.Ignition temperature:400 °CDecomposition temperature:Product is not selfigniting.Explosive properties:Not determined.Lower:3.2 Vol %Upper:53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Solubility in / Miscibility with water:Not determined.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C:5 mPas Kinematic:Solvent content: Water:63.2 %	
Odour: Odour threshold:Product specific Not determined.Important information on protection of health and environment, and on safetypH-value at 20 °C:7Change in condition Melting point/freezing point: Initial boiling point and boiling range:Undetermined.Initial boiling point and boiling range:100 °CFlash point:160 °CFlash point:00 °CDecomposition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Not determined.Explosive properties:Not determined.Lower: Upper:3.2 Vol %Upper:53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C: Relative densityNot determined.Solubility in / Miscibility with water:Not determined.Viscosity: Dynamic at 20 °C:5 mPas Not determined.Solvent content: Kinematic:5 mPas Not determined.	product specification
Information on protection of health and environment, and on safety.Important information on safetypH-value at 20 °C:7Change in condition Melting point/freezing point: Initial boiling point and boiling range:100 °CFlash point:160 °CFlash point:160 °CFlammability (solid, gas):Not applicable.Ignition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Product is not selfigniting.Explosive properties:Not determined.Explosion limits: Lower: Opper:3.2 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative density Not determined.Not determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water: Dynamic at 20 °C:5 mPas Kinematic:Solvent content: Water:53.2 %	
environment, and on safetypH-value at 20 °C:7Change in condition Melting point/freezing point: Initial boiling point and boiling range:Undetermined. 100 °CFlash point:160 °CFlash point:160 °CFlammability (solid, gas):Not applicable.Ignition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Not determined.Explosive properties:Not determined.Explosion limits: Lower: Upper:3.2 Vol % 53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C: Evaporation rate1.1 g/cm³ Not determined.Solubility in / Miscibility with water:Not determined.Viscosity: Dynamic at 20 °C:5 mPas Not determined.Solvent content: Water:5 mPas S mPas Not determined.	ned.
pH-value at 20 °C:7Change in condition Melting point/freezing point: Initial boiling point and boiling range:Undetermined. 100 °CFlash point:160 °CFlammability (solid, gas):Not applicable.Ignition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Not determined.Explosive properties:Not determined.Explosive properties:Solvel %Upper:53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Vapour densityNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C:5 mPas Kinematic:Solvent content: Water:63.2 %	
Change in condition Melting point/freezing point: Initial boiling point and boiling range: Flash point: Initial boiling point and boiling range: I of °C Flammability (solid, gas): I gnition temperature: I gnition temperature: Auto-ignition temperature: Auto-ignition temperature: Explosive properties: Lower: Jower: Joper: Vapour pressure at 20 °C: Persity at 20 °C: Solubility in / Miscibility with water: Partition coefficient: n-octanol/water: Not determined. Solvent content: Water: Solvent content: Water: Not determined. Solvent content: Water: Solvent content: Water: Solvent content: Water: Solvent content: Water: Solvent content: Water: Solvent content: Water: Solvent content: Solvent content: Water: Solvent content: Water: Solvent content: Solvent	
Melting point/freezing point: Initial boiling point and boiling range:Undetermined. 100 °CFlash point:160 °CFlammability (solid, gas):Not applicable.Ignition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Not determined.Auto-ignition temperature:Not determined.Explosive properties:Not determined.Explosion limits: Lower: Upper:3.2 Vol % 53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C: Not determined.Not determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C: Not determined.Solvent content: Mot determined.Solvent content: Water:Solz %	
Initial boiling point and boiling range:100 °CFlash point:160 °CFlammability (solid, gas):Not applicable.Ignition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Product is not selfigniting.Explosive properties:Not determined.Explosion limits:3.2 Vol %Lower:3.2 Vol %Upper:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Evaporation rateNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity:Dynamic at 20 °C:5 mPas Not determined.Solvent content: Water:53.2 %	
Flash point:160 °CFlammability (solid, gas):Not applicable.Ignition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Product is not selfigniting.Explosive properties:Not determined.Explosion limits:3.2 Vol %Upper:53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Vapour densityNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C: Kinematic:5 mPas Not determined.Solvent content: Water:63.2 %	d.
Flammability (solid, gas):       Not applicable.         Ignition temperature:       400 °C         Decomposition temperature:       Not determined.         Auto-ignition temperature:       Product is not selfigniting.         Explosive properties:       Not determined.         Explosion limits:       Image: Stress of the self self self self self self self sel	
Ignition temperature:400 °CDecomposition temperature:Not determined.Auto-ignition temperature:Product is not selfigniting.Explosive properties:Not determined.Explosion limits:	
Decomposition temperature:Not determined.Auto-ignition temperature:Product is not selfigniting.Explosive properties:Not determined.Explosion limits:Image: Stream of the selfigniting of the selfigniting.Lower:3.2 Vol %Upper:53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Vapour densityNot determined.Evaporation rateNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity:Dynamic at 20 °C:5 mPas Kinematic:Solvent content: Water:63.2 %	ple.
Auto-ignition temperature:       Product is not selfigniting.         Explosive properties:       Not determined.         Explosion limits:	
Explosive properties:       Not determined.         Explosion limits:       Jower:         Lower:       3.2 Vol %         Upper:       53 Vol %         Vapour pressure at 20 °C:       23 hPa         Density at 20 °C:       1.1 g/cm³         Relative density       Not determined.         Vapour density       Not determined.         Vapour density       Not determined.         Solubility in / Miscibility with water:       Fully miscible.         Partition coefficient: n-octanol/water:       Not determined.         Viscosity:       Dynamic at 20 °C:       5 mPas         Kinematic:       Not determined.         Solvent content:       Water:       63.2 %	ned.
Explosion limits:3.2 Vol %Lower:3.2 Vol %Upper:53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Vapour densityNot determined.Evaporation rateNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity:Dynamic at 20 °C:5 mPas Not determined.Solvent content: Water:63.2 %	not selfigniting.
Lower:3.2 Vol %Upper:53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Vapour densityNot determined.Evaporation rateNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C: Kinematic:5 mPas Not determined.Solvent content: Water:63.2 %	ned.
Upper:53 Vol %Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Vapour densityNot determined.Evaporation rateNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C: Kinematic:5 mPas Not determined.Solvent content: Water:63.2 %	
Vapour pressure at 20 °C:23 hPaDensity at 20 °C:1.1 g/cm³Relative densityNot determined.Vapour densityNot determined.Evaporation rateNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C: Kinematic:5 mPas Not determined.Solvent content: water:63.2 %	
Density at 20 °C:1.1 g/cm³Relative densityNot determined.Vapour densityNot determined.Evaporation rateNot determined.Solubility in / Miscibility with water:Fully miscible.Partition coefficient: n-octanol/water:Not determined.Viscosity: Dynamic at 20 °C: Kinematic:5 mPas Not determined.Solvent content: Water:63.2 %	
Relative density       Not determined.         Vapour density       Not determined.         Evaporation rate       Not determined.         Solubility in / Miscibility with water:       Fully miscible.         Partition coefficient: n-octanol/water:       Not determined.         Viscosity:       Dynamic at 20 °C:         Dynamic at 20 °C:       5 mPas         Kinematic:       Not determined.         Solvent content:       63.2 %	
Vapour density       Not determined.         Evaporation rate       Not determined.         Solubility in / Miscibility with       Fully miscible.         Partition coefficient: n-octanol/water:       Not determined.         Viscosity:       Not determined.         Dynamic at 20 °C:       5 mPas Not determined.         Solvent content:       Not determined.         Water:       63.2 %	
Evaporation rate       Not determined.         Solubility in / Miscibility with water:       Fully miscible.         Partition coefficient: n-octanol/water:       Not determined.         Viscosity:       Dynamic at 20 °C:       5 mPas Not determined.         Solvent content:       63.2 %	
Solubility in / Miscibility with water:       Fully miscible.         Partition coefficient: n-octanol/water:       Not determined.         Viscosity:       Dynamic at 20 °C:       5 mPas         Dynamic at 20 °C:       S mPas         Kinematic:       Not determined.         Solvent content:       63.2 %	
water:     Fully miscible.       Partition coefficient: n-octanol/water:     Not determined.       Viscosity:     Dynamic at 20 °C:     5 mPas       Dynamic:     Not determined.       Solvent content:     63.2 %	ned.
Partition coefficient: n-octanol/water:     Not determined.       Viscosity:     Dynamic at 20 °C:       Dynamic at 20 °C:     5 mPas       Kinematic:     Not determined.       Solvent content:     Water:       Water:     63.2 %	
Viscosity: Dynamic at 20 °C: 5 mPas Kinematic: Not determined. Solvent content: Water: 63.2 %	ple.
Dynamic at 20 °C:     5 mPas       Kinematic:     Not determined.       Solvent content:     63.2 %	ned.
Kinematic:Not determined.Solvent content: Water:63.2 %	
Solvent content: Water: 63.2 %	
Water: 63.2 %	ned.
Solids content: 21.9 %	
9.2 Other information The physical and chemical proper	l and chemical properties given in
Section 9.1 are rough data only,	
	erived from the component's data of t
mixture. These data are no bind specifications.	5 1

# SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

# SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity Based on available data, the classification criteria are not met.

• Primary irritant effect:

· Skin corrosion/irritation Based on available data, the classification criteria are not met.

· Serious eye damage/irritation Based on available data, the classification criteria are not met.

· Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

(Contd. on page 4) EU

- (Contd. of page 3)
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
   Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

#### SECTION 12: Ecological information

- 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

### SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation Smaller quantities can be disposed of with household waste.
- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information		
· 14.1 UN-Number		
· ADR, ADN, IMDG, IATA	not applicable	
<ul> <li>14.2 UN proper shipping name</li> </ul>		
· ADR, ADN, IMDG, IATA	not applicable	
· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA		
· Class	not applicable	
· 14.4 Packing group		
· ADR, IMDG, IATA	not applicable	
· 14.5 Environmental hazards:		
· Marine pollutant:	No	
$\cdot$ 14.6 Special precautions for user	Not applicable.	
· 14.7 Transport in bulk according to Annex II of		
Marpol and the IBC Code	Not applicable.	
• UN "Model Regulation":	not applicable	

### SECTION 15: Regulatory information

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

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · National regulations:

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

(Contd. on page 5)

(Contd. of page 4)

EU

#### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Abbreviations and acronyms:

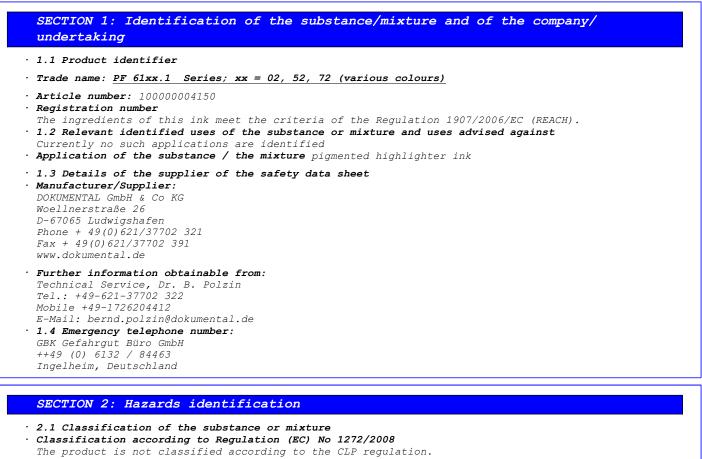
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DCR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative

- $\cdot$  \* Data compared to the previous version altered.

## Safety data sheet



Page 1/5 Printing date 18.01.2018 Revision: 18.01.2018 Version number 2



- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 none
- · Hazard pictograms none
- · Signal word none
- · Hazard statements none
- 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.
- · Dangerous components: none
- · Additional information: For the wording of the listed hazard phrases refer to section 16.

#### SECTION 4: First aid measures

· 4.1 Description of first aid measures

- · General information: No special measures required.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.
- $\cdot$  4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

# SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.

(Contd. on page 2) EU

(Contd. of page 1)

• 5.3 Advice for firefighters

· Protective equipment: No special measures required.

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.
   6.2 Environmental precautions:
- Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). • 6.4 Reference to other sections
- No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

#### SECTION 7: Handling and storage

 7.1 Precautions for safe handling No special measures required. Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and explosion protection: No special measures required.

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

- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Storage class: 10
- · 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures:
- The usual precautionary measures are to be adhered to when handling chemicals.
- · Respiratory protection: Not required.
- · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

If only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.

• Material of gloves

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. Nitrile rubber, NBR

#### · Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Goggles recommended during refilling

# SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

General Information

### Appearance:

Form:

	(Contd. of page
Colour: • Odour: • Odour threshold:	According to product specification Product specific Not determined.
· Important information on protection of health and	1
environment, and on safety.	-
· pH-value at 20 °C:	7.5
<ul> <li>Change in condition Melting point/freezing point: Initial boiling point and boiling range:</li> </ul>	Undetermined. 100 °C
· Flash point:	>100 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	400 °C
· Decomposition temperature:	Not determined.
• Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Not determined.
• Explosion limits: Lower: Upper:	3.2 Vol % 53 Vol %
· Vapour pressure at 20 °C:	23 hPa
<ul> <li>Density at 20 °C:</li> <li>Relative density</li> <li>Vapour density</li> <li>Evaporation rate</li> </ul>	1 g/cm³ Not determined. Not determined. Not determined.
<ul> <li>Solubility in / Miscibility with water:</li> </ul>	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
<pre>• Viscosity: Dynamic at 20 °C: Kinematic:</pre>	3 mPas Not determined.
· Solvent content: Water:	50.0 %
Solids content: • 9.2 Other information	0.1 % The physical and chemical properties given in Section 9.1 are rough data only, which are partially derived from the component's data of th mixture. These data are no binding product specifications.

# SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

- · Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

# SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.
- Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
   CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.

• STOT-repeated exposure Based on available data, the classification criteria are not met.

(Contd. on page 4)

(Contd. of page 3)

· Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.

· 12.6 Other adverse effects No further relevant information available.

### SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- · **Recommendation:** Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

# SECTION 14: Transport information

· 14.1 UN-Number			
· ADR, ADN, IMDG, IATA	not applicable		
· 14.2 UN proper shipping name			
· ADR, ADN, IMDG, IATA	not applicable		
· 14.3 Transport hazard class(es)			
· ADR, ADN, IMDG, IATA			
· Class	not applicable		
· 14.4 Packing group			
· ADR, IMDG, IATA	not applicable		
· 14.5 Environmental hazards:			
· Marine pollutant:	No		
$\cdot$ 14.6 Special precautions for user	Not applicable.		
· 14.7 Transport in bulk according to Annex I	· 14.7 Transport in bulk according to Annex II of		
Marpol and the IBC Code	Not applicable.		
• UN "Model Regulation":	not applicable		

# SECTION 15: Regulatory information

 $\cdot$  15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.

· National regulations:

- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

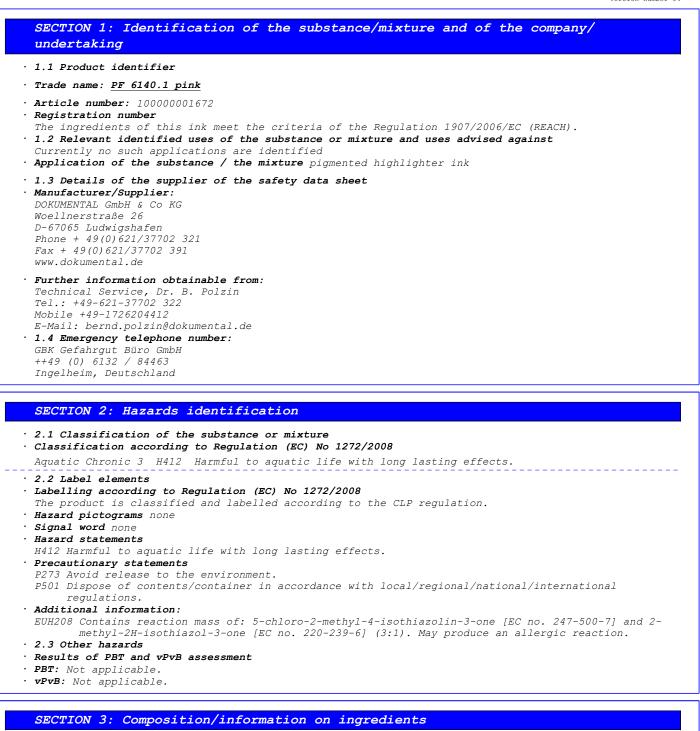
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative . \* Data compared to the previous version altered. (Contd. of page 4)

# Safety data sheet



Page 1/5 Printing date 18.01.2018 Revision: 18.01.2018 Version number 34



· 3.2 Chemical characterisation: Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components

EINECS: 213-584-9	C.I. Basic Red 1 Eye Dam. 1, H318;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302	<u>≤1</u>
EINECS: 220-239-6	<pre>reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317</pre>	<b>≤</b> 18
• Additional informat	<b>tion:</b> For the wording of the listed hazard phrases refer to section 16.	

(Contd. on page 2)

Page 2/5 Printing date 18.01.2018 Revision: 18.01.2018 Version number 34

(Contd. of page 1)

### SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact: Rinse opened eye for several minutes under running water.
- · After swallowing: If symptoms persist consult doctor.
- $\cdot$  4.2 Most important symptoms and effects, both acute and delayed
- No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed
  - No further relevant information available.

# SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- · 5.2 Special hazards arising from the substance or mixture No further relevant information available. · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

#### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing. · 6.2 Environmental precautions:
- Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water.
- Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

### SECTION 7: Handling and storage

· 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · Storage class: 10
- · 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures: Wash hands before breaks and at the end of work.

· Respiratory protection: Not required.

- Protection of hands:
- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Due to missing tests no recommendation to the glove material can be given for the product/ the
- preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the

degradationIf only a short-term loading of the glove material by splashes is expected, tricoted gloves with higher wearability for the better acceptance of the users are recommended.

#### Material of gloves

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

Trade name: PF 6140.1 pink

(Contd. of page 2) substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Nitrile rubber, NBR

- · Penetration time of glove material
- The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Goggles recommended during refilling

### SECTION 9: Physical and chemical properties

<ul> <li>9.1 Information on basic physical and chemical p</li> </ul>	roperties
· General Information	
· Appearance:	
Form:	Fluid
Colour:	According to product specification
· Odour:	Product specific
· Odour threshold:	Not determined.
<ul> <li>Important information on protection of health an environment, and on safety.</li> </ul>	d _
· pH-value at 20 °C:	7
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	100 °C
· Flash point:	160 °C
· Flammability (solid, gas):	Not applicable.
· Ignition temperature:	400 °C
• Decomposition temperature:	Not determined.
• Auto-ignition temperature:	Product is not selfigniting.
• Explosive properties:	Not determined.
• Explosion limits:	
Lower:	3,2 Vol %
Upper:	53,0 Vol %
· Vapour pressure at 20 °C:	23 hPa
· Density at 20 °C:	1 g/cm³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic at 20 °C:	5 mPas
Kinematic:	Not determined.
	Not determined.
· Solvent content:	
Water:	64.4 %
Solids content:	20.6 %
• 9.2 Other information	The physical and chemical properties given in Section 9.1 are rough data only, which are partially derived from the component's data of the mixture. These data are no binding product specifications.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

#### Trade name: PF 6140.1 pink

Page 4/5 Printing date 18.01.2018 Revision: 18.01.2018 Version number 34

(Contd. of page 3)

EII

### SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity Based on available data, the classification criteria are not met.
- · LD/LC50 values relevant for classification:
- 989-38-8 C.I. Basic Red 1
- Oral LD50 301 mg/kg (rat)
- · Primarv irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
   STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

· 12.1 Toxicity

#### Aquatic toxicity:

#### 989-38-8 C.I. Basic Red 1

EC50 / 48h 0.1-0.5 mg/l (Daphnie) LC50 / 96h 1-5 mg/l (Fish)

- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Harmful to fish

#### Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Harmful to aquatic organisms · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

#### SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

· 14.1 UN-Number		
· ADR, ADN, IMDG, IATA	not applicable	
ADA, ADA, IMDO, IAIA	пос аррисавие	
· 14.2 UN proper shipping name		
· ADR, ADN, IMDG, IATA	not applicable	
· 14.3 Transport hazard class(es)		
14.5 Hansport hazard crass(es)		
· ADR, ADN, IMDG, IATA		
· Class		
· Class	not applicable	
· 14.4 Packing group		
· ADR, IMDG, IATA	not applicable	
· 14.5 Environmental hazards:		
• Marine pollutant:	No	
		(Contd. on page 5)

Trade name: PF 6140.1 pink

		(Contd. of page 4)
• 14.6 Special precautions for user	Not applicable.	
<ul> <li>14.7 Transport in bulk according to Annex 2 Marpol and the IBC Code</li> </ul>	<b>II of</b> Not applicable.	
· UN "Model Regulation":	not applicable	

# SECTION 15: Regulatory information

- $\cdot$  15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- National regulations:
- · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

# · Relevant phrases

	H301 Toxic if swallowed.	
	H302 Harmful if swallowed.	
	H311 Toxic in contact with skin.	
	H314 Causes severe skin burns and eve damage.	
	H317 May cause an allergic skin reaction.	
	H318 Causes serious eye damage.	
	H331 Toxic if inhaled.	
	H400 Very toxic to aquatic life.	
	H410 Very toxic to aquatic life with long lasting effects.	
•	Abbreviations and acronyms:	
	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the	
	International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation	
	ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carr	iano
	of Dangerous Goods by Road)	rage
	IMDG: International Maritime Code for Dangerous Goods	
	IATA: International Air Transport Association	
	GHS: Globally Harmonised System of Classification and Labelling of Chemicals	
	EINECS: European Inventory of Existing Commercial Chemical Substances	
	ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society)	
	LCSC: Lethal concentration, 50 percent	
	LDS0: Lethal dose, 50 percent	
	PBT: Persistent, Bioaccumulative and Toxic	
	vPvB: very Persistent and very Bioaccumulative	
	Acute Tox. 3: Acute toxicity - Category 3	
	Acute Tox. 4: Acute toxicity - Category 4	
	Skin Corr. 1B: Skin corrosion/irritation - Category 1B	
	Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Skin Sens. 1: Skin sensitisation - Category 1	
	skin sens, i skin sensilisation - dategory i Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1	
	Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1	
	Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3	
	* Data compared to the previous version altered.	
		EU