

# SAFETY DATA SHEET

## Prefere 4131

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

#### 1.1 Product identifier

Product name : Prefere 4131

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

Use of the substance/  
mixture : Industrial/Professional Use: Adhesive. Woodworking industry.

#### 1.3 Details of the supplier of the safety data sheet

Supplier : Dynea AS  
P.O.Box 160, N-2001 Lillestrøm  
Norway  
Tel. +47 63897100  
Fax. +47 63897610

e-mail address of person  
responsible for this SDS : sds@dynea.com

#### 1.4 Emergency telephone number

##### National advisory body/Poison Centre

Telephone number : Not available.

##### Supplier

Telephone number : +47 63897100

Hours of operation : 24 hours

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition : Mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Skin Sens. 1, H317

Carc. 1B, H350

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Hazard pictograms



## SECTION 2: Hazards identification

<b>Signal word</b>	: <b>D</b> anger
<b>Hazard statements</b>	: <b>H</b> 317 - May cause an allergic skin reaction. H350 - May cause cancer.
<b>Precautionary statements</b>	: <b>P</b> 201 - Obtain special instructions before use. P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing. <b>P</b> 308 + P313 - IF exposed or concerned: Get medical attention. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. <b>P</b> 405 - Store locked up. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Hazardous ingredients</b>	: <b>F</b> ormaldehyde
<b>Supplemental label elements</b>	: Not applicable.
<b>Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles</b>	: <b>R</b> estricted to professional users.

### Special packaging requirements

Not applicable.

### 2.3 Other hazards

**Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

<b>3.2 Mixtures</b>	: Mixture
<b>Chemical characterisation</b>	: Urea formaldehyde resin.

Product/ingredient name	Identifiers	%	Classification	Type
<b>F</b> ormaldehyde	REACH #: 01-2119488953-20 EC: 200-001-8 CAS: 50-00-0 Index: 605-001-00-5	≥0.3 - <1	Acute Tox. 3, H301  Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Carc. 1B, H350 STOT SE 3, H335  <b>See Section 16 for the full text of the H statements declared above.</b>	[1] [2]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

#### Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Move exposed person to fresh air. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Skin contact** : Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation occurs.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.
- General** : Move the victim to a safe area as soon as possible. If unconscious, place in recovery position and seek medical advice. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Allow the victim to rest in a well-ventilated area.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus.

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

#### Potential acute health effects

- Inhalation** : Vapour may be irritating to eyes and respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** : May cause an allergic skin reaction.

#### Over-exposure signs/symptoms

- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness

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

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire. Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : None known.

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

- Hazards from the substance or mixture** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous combustion products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides

## SECTION 5: Firefighting measures

### 5.3 Advice for firefighters

- Special precautions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

- Small spill** : Stop leak if without risk. Move containers from spill area. Absorb with liquid-binding material (sand, diatomite, universal binders etc.) or use a spill kit.
- Large spill** : Approach the release from upwind. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilt product.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

- Protective measures** : See Section 8 for information on appropriate personal protective equipment. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## SECTION 7: Handling and storage

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

Store in accordance with local regulations. Store away from incompatible materials (see Section 10). Store locked up. Keep away from food, drink and animal feeding stuffs. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

### 7.3 Specific end use(s)

**Recommendations** : Not available.

**Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product.

### 8.1 Control parameters

#### Occupational exposure limits

Product/ingredient name	Exposure limit values
Formaldehyde	<b>EH40/2005 WELs (United Kingdom (UK), 12/2011).</b> STEL: 2.5 mg/m <sup>3</sup> 15 minutes. STEL: 2 ppm 15 minutes. TWA: 2 ppm 8 hours. TWA: 2.5 mg/m <sup>3</sup> 8 hours.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

Product/ingredient name	Type	Exposure	Value	Population	Effects
Formaldehyde	DNEL	Short term Inhalation	0.6 ppm	Workers	Local
	DNEL	Long term Dermal	240 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	9 mg/m <sup>3</sup>	Workers	Systemic
	DNEL	Long term Dermal	0.037 mg/cm <sup>2</sup>	Workers	Local
	DNEL	Long term Inhalation	0.3 ppm	Workers	Local
	DNEL	Long term Dermal	102 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Inhalation	3.2 mg/cm <sup>2</sup>	Consumers	Systemic
	DNEL	Long term Oral	4.1 mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Dermal	0.012 mg/	Consumers	Local

## SECTION 8: Exposure controls/personal protection

	DNEL	Long term Inhalation	cm <sup>2</sup> 0.1 mg/m <sup>3</sup>	Consumers	Local
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### PNECs

Product/ingredient name	Type	Compartment Detail	Value	Method Detail
Formaldehyde	PNEC	Fresh water	0.47 mg/l	Assessment Factors
	PNEC	Marine	0.47 mg/l	Assessment Factors
	PNEC	Fresh water sediment	2.44 mg/kg dwt	Equilibrium Partitioning
	PNEC	Marine water sediment	2.44 mg/kg dwt	Equilibrium Partitioning
	PNEC	Soil	0.21 mg/kg dwt	Equilibrium Partitioning
	PNEC	Sewage Treatment Plant	0.19 mg/l	Assessment Factors

### 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Immediately remove any contaminated clothing, shoes or socks. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** :  Use eye protection according to EN 166, designed to protect against liquid splashes. Recommended: Safety glasses with side shields.

**Hand protection** : Wear suitable gloves tested to EN374. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers.  
Recommended : Protective Index 6 / Breakthrough time >480 minutes: neoprene rubber 0.7 mm thickness or nitrile rubber 0.4 mm thickness

**Other skin protection** :  Wear work clothing with long sleeves. Cotton or cotton/synthetic overalls or coveralls are normally suitable.  
Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.  
Long Term Exposure / high concentrations : Self-contained respirator (DIN EN 133) or full face mask (DIN EN 136)  
Short term exposure / Low exposure : Half-face mask (DIN EN 140)  
Recommended: Type AX (Brown): Low boiling organic compounds.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Physical state** : Liquid.  
**Colour** : White.  
**Odour** : Formaldehyde. [Slight]  
**Odour threshold** : Not available.

## SECTION 9: Physical and chemical properties

pH	: 8 to 8.6
Melting point/freezing point	: Not available.
Initial boiling point and boiling range	: Not available.
Flash point	: Closed cup: >100°C
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Burning time	: Not applicable.
Burning rate	: Not applicable.
Upper/lower flammability or explosive limits	: Not available.
Vapour pressure	: Not available.
Vapour density	: Not available.
Relative density	: Not available.
Density (liquid)	: 1.27 to 1.3 g/cm <sup>3</sup> [25°C]
Solubility	: Partly dispersible in water
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Dynamic: 2400 to 4000 mPa·s [25 °C]
Explosive properties	: Not available.
Oxidising properties	: Not available.

### 9.2 Other information

VOC content (Without volume exclusion)	: 0.47 % (w/w) 6 g/l
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## SECTION 10: Stability and reactivity

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: No specific data.
10.5 Incompatible materials	: No specific data.
10.6 Hazardous decomposition products	: Formaldehyde may be released during processing.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Potential Adverse effects

- Inhalation** :  Vapour may be irritating to eyes and respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact** :  May cause an allergic skin reaction.  
 Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.  
 Adverse symptoms may include the following:  
 irritation  
 redness

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<input checked="" type="checkbox"/> Formaldehyde	LC50 Inhalation Gas. LD50 Oral	Rat - Male Rat - Male	490 ppm 460 mg/kg	4 hours -

**Formaldehyde**: Toxic if swallowed or in contact with skin. Fatal if inhaled.

#### Acute toxicity estimates

Product	ATE value
<input checked="" type="checkbox"/> Oral Dermal Inhalation (gases)	23255.8 mg/kg 69767.4 mg/kg 113953.5 ppm

**Product Conclusion/ Summary** :  Based on available data, the classification criteria are not met.

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<input checked="" type="checkbox"/> Formaldehyde	Skin - Irritant Eyes - Irritant Skin - Oedema Eyes - Cornea opacity	Rat Rabbit Rabbit Rat	- - 3 4	- - - -	7 days - 24 hours 7 days

- Skin** :  **Formaldehyde**: Causes burns.
- Eyes** :  **Formaldehyde**: Causes serious eye damage.
- Respiratory** :  **Formaldehyde**: Irritating to respiratory system.
- Product Conclusion/ Summary** :  Causes skin irritation. Causes serious eye irritation.

#### Sensitisation

Product/ingredient name	Route of exposure	Species	Result
<input checked="" type="checkbox"/> Formaldehyde	skin skin	Mouse Guinea pig	Sensitising Sensitising

- Skin** :  **Formaldehyde**: Sensitising
- Respiratory** :  **Formaldehyde**: Not sensitizing
- Product Conclusion/ Summary** :  May cause an allergic skin reaction.

#### Chronic toxicity



**SECTION 11: Toxicological information**

Product/ingredient name	Result	Species	Dose	Exposure
Formaldehyde	Chronic LOAEL Oral	Rat - Male, Female	82 mg/kg	105 weeks
	Chronic NOAEC Inhalation Gas.	Rat - Male, Female	1 ppm	26 weeks
	Sub-acute NOAEC Inhalation Gas.	Rat - Male	2 ppm	6 weeks
	Sub-acute LOAEC Inhalation Gas.	Rat - Male	6 ppm	6 weeks

**Mutagenicity**

Product/ingredient name	Test	Experiment	Result
Formaldehyde	OECD 471	Experiment: In vitro Subject: Bacteria	Positive
	OECD 741	Experiment: In vitro Subject: Mammalian-Animal	Positive

**Formaldehyde:** Genetic toxicity: Positive.

**Product Conclusion/ Summary** : Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Product Conclusion/ Summary** : May cause cancer. Risk of cancer depends on duration and level of exposure. Formaldehyde is classified as a category 1B carcinogen by EU (Suspected of causing cancer in humans). The classification is mainly based on carcinogenic effects demonstrated in animal experiments, but also on experience from occupational use indicating, but not proving, increased risk of cancer in humans. The actual risk is a rare type of cancer in the nasopharyngeal area (upper part of the throat, behind the nose).

Animal experiments have demonstrated that the cancer risk has a strong link to high and repeated doses of formaldehyde, with an effect threshold at 2 ppm. This is the basis for the derived no effect level (DNEL) for occupational use of 0,3 ppm. Exposure below this level gives limited or no risk of adverse effects.

**Reproductive toxicity**

**Formaldehyde:** It is not expected that formaldehyde reaches the reproductive organs and there is no evidence for effects on fertility and gonads in experimental animals after long-term oral or inhalation exposure.

**Product Conclusion/ Summary** : Based on available data, the classification criteria are not met.

**Teratogenicity**

**Formaldehyde:** There is no evidence for adverse effects of formaldehyde on embryo and fetal development as dose levels inducing local maternal effects and secondary decrease in body weights and growth.

**Product Conclusion/ Summary** : Based on available data, the classification criteria are not met.

**Specific target organ toxicity (single exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
Formaldehyde	Category 3	Not applicable.	Respiratory tract irritation

**Specific target organ toxicity (repeated exposure)**

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

## SECTION 11: Toxicological information

### Aspiration hazard

**Product Conclusion/Summary** : Based on available data, the classification criteria are not met.

**Interactive effects** : No specific data.

**Other information** : No specific data.

## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Formaldehyde	EC50 4.89 mg/l Fresh water	Algae - Scenedesmus subspicatus	72 hours
	Acute EC50 5.8 mg/l Fresh water	Daphnia - Daphnia pulex	48 hours
	Acute LC50 6.7 mg/l Fresh water	Fish - Morone saxatilis	96 hours

**Conclusion/Summary** : **Formaldehyde**: Toxic to aquatic organisms.

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Formaldehyde	Anaerobic biodegradation OECD 303 A	100 % - 4 days	Degradation	Anaerobic sludge
		99.5 % - 160 days	Degradation	Activated sludge
	OECD 301 C	97 % - Readily - 14 days	TOC removal	-
	OECD 301 D	90 % - Readily - 28 days	30 mg/l O <sub>2</sub> Consumption	-

**Conclusion/Summary** : **Formaldehyde**: Readily biodegradable

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Formaldehyde	-	-	Readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Formaldehyde	0.35	0.396	low

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

**12.6 Other adverse effects** : No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** :  **Yes.**  
Cured resin is regarded as non-hazardous waste.

#### European waste catalogue (EWC)

Waste code	Waste designation
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
<b>14.1 UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.2 UN proper shipping name</b>	-	-	-	-
<b>14.3 Transport hazard class(es)</b>	-	-	-	-
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5 Environmental hazards</b>	No.	No.	No.	No.
<b>Additional information</b>	-	-	-	-

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## SECTION 14: Transport information

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

## SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Restricted to professional users.

Other EU regulations

**Europe inventory** : All components are listed or exempted.

**Black List Chemicals** : Not listed

**Priority List Chemicals** : Not listed

**Integrated pollution prevention and control list (IPPC) - Air** : Not listed

**Integrated pollution prevention and control list (IPPC) - Water** : Not listed

Product/ingredient name	Carcinogenic effects	Mutagenic effects	Developmental effects	Fertility effects
Formaldehyde	Carc. 1B, H350	Muta. 2, H341	-	-

Seveso II Directive

This product is not controlled under the Seveso II Directive.

National regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Inform Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

**15.2 Chemical Safety Assessment** : This product contains substances for which Chemical Safety Assessments are still required.

**SECTION 16: Other information**

Indicates information that has changed from previously issued version.

**Abbreviations and acronyms** : ATE = Acute Toxicity Estimate  
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number

**Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Classification	Justification
<input checked="" type="checkbox"/> Skin Sens. 1, H317 Carc. 1B, H350	Calculation method Calculation method

<b>Full text of abbreviated H statements</b> :	<input checked="" type="checkbox"/> H301 H311 H314 H317 H318 H330 H335 H341 H350	Toxic if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Fatal if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. May cause cancer.
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<b>Full text of classifications [CLP/GHS]</b> :	<input checked="" type="checkbox"/> Acute Tox. 2, H330 Acute Tox. 3, H301 Acute Tox. 3, H311 Carc. 1B, H350 Eye Dam. 1, H318  Muta. 2, H341 Skin Corr. 1B, H314 Skin Sens. 1, H317 STOT SE 3, H335	ACUTE TOXICITY (inhalation) - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 CARCINOGENICITY - Category 1B SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1  GERM CELL MUTAGENICITY - Category 2 SKIN CORROSION/IRRITATION - Category 1B SKIN SENSITIZATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
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**Date of issue/ Date of revision** : 12.11.2015.  
**Date of previous issue** : 21.05.2015.  
**Previous product name** : Not available.  
**Version** : 4