



SAFETY DATA SHEET

Prefere 4405

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name	Prefere 4405
Part No.	90000800, 90000801, 90000804, 90000808, 90000809, 90000810
Applications	ADHESIVE FOR THE WOOD INDUSTRY
Supplier	DYNEA ASA P.O.Box 160, N-2001 LILLESTRØM Tel: (47) 63897100 Fax: (47) 63897610
Contact person	Engineer Liv Marthe S. Føllesdal
Emergency telephones	DYNEA ASA, Lillestrøm +47 63 89 71 00 .

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol	R-phrases
Urea formaldehyde polymer			90-100 %	-	
Formaldehyde ...%	200-001-8	50-00-0	<0.9 %	T	R-23/24/25, 34, 43, 40

See section 16 for explanations to R-phrases

Composition comments	Harmful components are listed according to guideline for safety data sheets. Other components, not classified as harmful, are indicated by a hyphen (-) . FORMALDEHYDE: Conc. 0,2-1%: Xi, R-43. Given for solution 2:1 in water.
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3. HAZARDS IDENTIFICATION

May cause sensitisation by skin contact.

4. FIRST AID MEASURES

General	<p>SYMPTOMS AND EFFECTS Accidents and over exposure to powder/dust from this product may cause irritation to eyes and to the respiratory system. Accidents and over-exposure to this product may cause irritation by liquid/fumes in the eyes, liquid/fumes on the skin and by inhalation of fumes. Symptoms by exposure of liquid/fumes in the eyes are pain, tears and impaired vision. Symptoms by inhalation of powder/dust are coughing and difficulties with breathing. Symptoms by inhalation of fumes are upper respiratory irritation. Symptoms of exposure to skin and mucous membranes are irritation and discoloration.</p> <p>GENERAL ADVICE CONCERNING FIRST AID</p>
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SAFETY DATA SHEET

Prefere 5465

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name	Prefere 5465
Part No.	91002900, 91002904, 91002908, 91002909, 91002910
Applications	HARDENER FOR UREA RESIN
Supplier	DYNEA ASA P.O.Box 160, N-2001 LILLESTRØM Tel: (47) 63897100 Fax: (47) 63897610
Contact person	Engineer Liv Marthe S. Føllesdal
Emergency telephones	DYNEA ASA, Lillestrøm +47 63 89 71 00 .

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS No.	Content	Symbol	R-phrases
Ammonium chloride	235-186-4	12125-02-9	1-10 %	Xn	R-22, 36
Organic filler			60-80 %	-	
Inorganic filler			15-30 %	-	

See section 16 for explanations to R-phrases

Composition comments	Harmful components are listed according to guideline for safety data sheets. Other components, not classified as harmful, are indicated by a hyphen (-) .
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3. HAZARDS IDENTIFICATION

Not regarded as a health hazard under current legislation.

4. FIRST AID MEASURES

General	SYMPTOMS AND EFFECTS This product is not classified with regard to health effects. In case of accident, prevent exposure and implement necessary actions as described below. Observe the risk of effects and damage to health in case of accidents entailing exposure to larger quantities. GENERAL ADVICE CONCERNING FIRST AID Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Keep affected person under observation. Get medical attention if necessary or contact emergency centre. Refer to the Safety Data Sheet for this chemical. When
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	unconscious, loosen tight clothing and position in secured recovery position. In case of suspended respiratory: Start resuscitation.
Inhalation	Fresh air.
Ingestion	If the affected person is awake, give water or other drink to flush the mouth and to dilute chemicals that have been swallowed. Contact hospital or doctor if discomfort does not wear off.
Skin	Wash skin with soap and water. Remove contaminated clothing. If any signs of damage/irritation to the skin, contact doctor or hospital.
Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact doctor / hospital for continued treatment or transport to hospital.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use extinguishing media appropriate for surrounding fire.
Specific hazards	Dust may form explosive mixture with air.
Hazardous combustion products	Common combustion products.
Protective measures in fire	Fire personnel exposed of gases from the product is recommended to use respiratory protection. Avoid skin contact/inhalation of dust/vapours. (Also see section 8).

6. ACCIDENTAL RELEASE MEASURES

Personal precaution in spill	Wear necessary protective equipment. See section 8.
Precautions to protect environment	Limit the leakage field. Block up contaminated area. Runoff or release to sewer, waterway or ground is forbidden. The product is soluble in water.
Spill cleanup methods	Collect in containers and seal securely. Remove containers and flush area with water. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE

Usage precautions	Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Provide sufficient ventilation. Eye wash facilities should be available when handling this product.
Usage description	Read and follow manufacturer's recommendations.
Storage precautions	Keep dry. in closed containeres

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient name	CAS No.	References	LT Exp 8 Hrs	ST Exp 15 Min
Ammonium chloride	12125-02-9	OES.	10 mg/m3	20 mg/m3
Total inhalable dust		OES.	10 mg/m3	
Respirable dust		OES.	4 mg/m3	
Ingredient comments	OES = Occupational Exposure Standard.			
Process conditions	Eye wash facilities should be available when handling this product. .			
Ventilation	Provide adequate general and local exhaust ventilation.			
Respirators	Respiratory protection must be used if air concentration exceeds acceptable level. Wear respirator if there is dust formation. Dust filter P2 (for fine dust).			

Protective gloves	For prolonged or repeated skin contact use suitable protective gloves. Suitable material: Rubber, neoprene or PVC.
Eye protection	Use approved safety goggles or face shield.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder, dust.		
Colour	White.		
Odour	No characteristic odour.		
Physical data comments	For technical data and specifications; see technical data sheet.		
Bulk density	550-600 kg/m ³		
pH-value, diluted solution	6-7	Concentration %M	5,3%
Solubility description	Very soluble in water.		

10. STABILITY AND REACTIVITY

Stability	The product is stable at the conditions of handling and storage stated in the technical data sheet.
Hazardous decomp. products	Unlikely under normal industrial use.

11. TOXICOLOGICAL INFORMATION

Health hazards, general	Slightly irritating.
Inhalation	Dust may irritate respiratory system.
Ingestion	May cause discomfort.
Skin	Slightly irritating.
Eyes	Slightly irritating.
Component	Ammonium chloride
Toxicological data	
Toxic dose - LD50:	1650 mg/kg (oral rat)
Toxic dose - LD50:	30 mg/kg (intramuscular rat)

12. ECOLOGICAL INFORMATION

Ecological information	Not regarded as dangerous for the environment under current legislation. Contains soluble salts that may stimulate the growth of water organisms.
Bio accumulation	No bioaccumulation expected.
Degradability	The product is partly biodegradable.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Disposal should take place according to national and local regulations. Confirm disposal procedures with local authorities.
Waste class	EWC-code: 08 04 99. EWC-code will depend on the use of this product.
Contaminated packaging	Empty packaging as much as possible. Drained packaging should be recycled if possible.

14. TRANSPORT INFORMATION

ROAD TRANSPORT:

ADR class	Not dangerous according to ADR/RID/IMDG/IATA.
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15. REGULATORY INFORMATION

Risk phrases	Not classified.
UK regulatory references	Occupational Exposure Standard.
EU directives	Dangerous Substance Directive 67/548. Dangerous Preparations Directive 1999/45/EEC. Safety data sheet directive 91/155. Directive 2001/58. Directive 91/689. Directive 94/904.

16. OTHER INFORMATION

Explanations to R-phrases in section 2	R-22 Harmful if swallowed. R-36 Irritating to eyes.
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*** Information revised since the previous version of the SDS**

Revision date	2004-02-02
Rev. No./repl. SDS generated	2003-03-25 (Hardener H-240)
Signature	L.M.S. Føllesdal
Disclaimer	The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.



SAFETY DATA SHEET

Prefere 5902

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

Product name	Prefere 5902
Part no.	91010000, 91010004, 91010008, 91010009
Applications	MODIFIER FOR UREA RESIN WOODWORKING INDUSTRY
Supplier	DYNEA ASA P.O.Box 160, N-2001 LILLESTRØM Tel: (47) 63897100 Fax: (47) 63897610
Contact person	Engineer Liv Marthe S. Føllesdal
Emergency telephones	DYNEA ASA, Lillestrøm +47 63 89 71 00 .

2. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC no.	CAS no.	Content	Symbol	R-phrases
Organic filler			40-60 %	-	
Inorganic filler			40-60 %	-	

See section 16 for explanations of R-phrases

Composition comments Harmful components are listed according to guideline for safety data sheets. Other components, not classified as harmful, are indicated by a hyphen (-) .

3. HAZARDS IDENTIFICATION

Not regarded as a health hazard under current legislation.

4. FIRST AID MEASURES

General	SYMPTOMS AND EFFECTS This product is not classified with regard to health effects. In case of accident, prevent exposure and implement necessary actions as described below. Observe the risk of effects and damage to health in case of accidents entailing exposure to larger quantities. GENERAL ADVICE CONCERNING FIRST AID Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Keep affected person under observation. Get medical attention if necessary or contact emergency centre. Refer to the Safety Data Sheet for this chemical. When unconscious, loosen tight clothing and position in secured recovery position. In case of suspended respiratory: Start resuscitation.
Inhalation	Fresh air.

Ingestion	If the affected person is awake, give water or other drink to flush the mouth and to dilute chemicals that have been swallowed. Contact hospital or doctor if discomfort does not wear off.
Skin	Wash skin with soap and water. Remove contaminated clothing. If any signs of damage/irritation to the skin, contact doctor or hospital.
Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact doctor / hospital for continued treatment or transport to hospital.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use extinguishing media appropriate for surrounding fire.
Specific hazards	Dust could form explosive mixture with air.
Hazardous combustion products	Common combustion products.
Protective measures in the event of fire	Fire personnel exposed of gases from the product is recommended to use respiratory protection. Avoid skin contact/inhalation of dust/vapours. (Also see section 8).

6. ACCIDENTAL RELEASE MEASURES

Personal protection	Wear necessary protective equipment. See section 8.
Environmental protection	Limit the leakage field. Block up contaminated area. Runoff or release to sewer, waterway or ground is forbidden. The product is soluble in water.
Spill clean-up methods	Collect in containers and seal securely. Remove containers and flush area with water. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE

Usage precautions	Avoid spilling, skin and eye contact. @@@Unngå innånding av støv.@@@ Avoid handling which leads to dust formation. Provide sufficient ventilation. Eye wash facilities should be available when handling this product.
Usage description	Read and follow manufacturer's recommendations.
Storage precautions	Keep dry. in closed containeres

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient name	CAS no.	Reference	LT Exp 8 Hrs	ST Exp 15 Min	Date
Total inhalable dust		OES.	10 mg/m3		
Respirable dust		OES.	4 mg/m3		

Ingredient information	OES = Occupational Exposure Standard.
Process conditions	Eye wash facilities should be available when handling this product. .
Ventilation	Provide adequate general and local exhaust ventilation.
Respirators	Respiratory protection must be used if air concentration exceeds acceptable level. Wear respirator if there is dust formation. Dust filter P2 (for fine dust).
Protective gloves	For prolonged or repeated skin contact use suitable protective gloves. Suitable material: Rubber, neoprene or PVC.
Eye protection	Use approved safety goggles or face shield.
Other protection	Wear appropriate clothing to prevent any possibility of skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder, dust.		
Colour	Light (or pale). Beige.		
Odour	No characteristic odour.		
Physical data comments	For technical data and specifications; see technical data sheet.		
Solubility description	Soluble in water.		
Bulk density	400-500 kg/m ³		
pH-value, diluted solution	5,5-6,5	Concentration %M	30%

10. STABILITY AND REACTIVITY

Stability	The product is stable at the conditions of handling and storage stated in the technical data sheet.
Hazardous decomposition products	Unlikely under normal industrial use.

11. TOXICOLOGICAL INFORMATION

Health hazards, general	Slightly irritating.
Inhalation	Dust may irritate respiratory system.
Ingestion	May cause discomfort.
Skin	Slightly irritating.
Eyes	Slightly irritating.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Not regarded as dangerous for the environment under current legislation. Contains soluble salts that may stimulate the growth of water organisms.
Bioaccumulative potential	No bioaccumulation expected.
Persistence and degradability	The product is partly biodegradable.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Disposal should take place according to national and local regulations. Confirm disposal procedures with local authorities.
Waste class	EWC-code: 08 04 99. EWC-code will depend on the use of this product.
Contaminated packaging	Empty packaging as much as possible. Drained packaging should be recycled if possible.

14. TRANSPORT INFORMATION

ROAD TRANSPORT (ADR):

ADR class Not dangerous according to ADR/RID/IMDG/IATA.

15. REGULATORY INFORMATION

Not Flammable

Risk phrases Not classified.

UK regulatory references Occupational Exposure Standard.

EU directives Dangerous Substances Directive 67/548. Dangerous Preparations Directive 1999/45/EEC. Safety data sheet directive 91/155. Directive 2001/58. Directive 91/689. Directive 94/904.

16. OTHER INFORMATION

Explanations of R-phrases in Section 2*** Information revised since previous SDS version**

Revision date 2004-03-31

Rev. no./repl. SDS generated 2003-04-02 (Modifier A-942)

Signature L.M.S. Føllesdal

Disclaimer The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

	Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Keep affected person under observation. Get medical attention if necessary or contact emergency centre. Refer to the Safety Data Sheet for this chemical.
	When unconscious, loosen tight clothing and position in secured recovery position. In case of suspended respiratory: Start resuscitation.
Inhalation	By indication of effects on any person: Keep the affected person resting.
Ingestion	If the affected person is awake, give water or other drink to flush the mouth and to dilute chemicals that have been swallowed. As soon as possible, contact doctor / hospital for transport to hospital and continued treatment.
Skin	Wash skin with soap and water. Remove contaminated clothing. Seek medical advice if irritation persists or if the skin appears to be damaged.
Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Contact doctor / hospital for continued treatment or transport to hospital.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use extinguishing media appropriate for surrounding fire.
Hazardous combustion products	Common combustion products.
Protective measures in fire	Fire personnel exposed of gases from the commended to use respiratory protection. Avoid skin contact/inhalation of dust/vapors. (Also see section 8).

6. ACCIDENTAL RELEASE MEASURES

Personal precaution in spill	Wear necessary protective equipment. See section 8.
Precautions to protect environment	Limit the leakage field. Block up contaminated area. Runoff or release to sewer, waterway or ground is forbidden. The product is partly soluble in water.
Spill cleanup methods	Absorb in vermiculite, dry sand or earth and place into containers. Remove containers and flush area with water. Inform Authorities if large amounts are involved. When cured, the resin may be disposed of on an ordinary landfill.

7. HANDLING AND STORAGE

Usage precautions	Avoid spilling, skin and eye contact. Provide sufficient ventilation. Eye wash facilities should be available when handling this product.
Usage description	Read and follow manufacturer's recommendations.
Storage precautions	To be kept In closed containers when not in use. Store above freezing.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Protective equipment



Process conditions

Eye wash facilities should be available when handling this product.

Ventilation

Provide adequate general and local exhaust ventilation.

Respirators

Respiratory protection not required.

Protective gloves

Use chemical resistant gloves that comply with acceptable standard. Suitable material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. In the selection of protective equipment, the user must ensure that the equipment complies with the relevant standard. If there is any doubt the user should show this data sheet to the supplier of the equipment to ensure that the correct equipment is available to potential users.

Eye protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous. Fluid.		
Color	White.		
Odor	Characteristic.		
Physical data comments	For technical data and specifications; see technical data sheet.		
Boiling point (°C, interval)	100	Pressure	
Density/specific gravity (g/ml)	~ 1.2	Temperature (°C)	20
pH-value, conc. solution	6.0-8.5		
Viscosity (interval)	7000 ~ 9000 cps	Temperature (°C)	25
Solubility description	Miscible with water.		

10. STABILITY AND REACTIVITY

Stability

The product is stable at the conditions of handling and storage stated in the technical data sheet.

Hazardous decomposition products

Unlikely under normal industrial use.

11. TOXICOLOGICAL INFORMATION

Health hazards

In the industry irritating properties represent the main hazard.

Inhalation

The risk of exposure is limited as the product is only slightly volatile.

Ingestion

May cause discomfort.

Skin

Slightly irritating.

Eyes

Irritating to eyes.

12. ECOLOGICAL INFORMATION

Ecological information	Not regarded as dangerous for the environment under current legislation.
Mobility	Partially water soluble.
Bio accumulation	No bioaccumulation expected.
Degradability	The product is slowly but not readily degradable.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Disposal should take place according to national and local regulations. Confirm disposal procedures with local authorities. Cured resin is regarded as not hazardous waste.
Waste class	EWC-code: 08 04 09. EWC-code will depend on the use of this product.
Contaminated packaging	Empty packaging as much as possible. Drained packaging should be recycled if possible.

14. TRANSPORT INFORMATION

Road Transport ADR class	Not dangerous according to ADR/RID/IMDG/IATA.
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15. REGULATORY INFORMATION

Risk phrases	Not classified.
UK regulatory references	Occupational Exposure Standard.
EU directives	Dangerous Substance Directive 67\548. Dangerous Preparations Directive 1999/45/EEC. Safety data sheet directive 91/155. Directive 2001/58. Directive 91/689. Directive 94/904.

16. OTHER INFORMATION

Explanations to R-phrases in section 2

Revision date	2009-06-12
Signature	Qiang Li
Disclaimer	The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

	Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. Keep affected person under observation. Get medical attention if necessary or contact emergency centre.
Inhalation	Fresh air.
Ingestion	If the affected person is awake, give water or other drink to flush the mouth and to dilute chemicals that have been swallowed. Contact doctor / hospital for continued treatment or transport to hospital.
Skin	Wash skin with soap and water. Remove contaminated clothing. If any signs of damage/irritation to the skin, contact doctor or hospital.
Eyes	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact doctor / hospital for continued treatment or transport to hospital.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use extinguishing media appropriate for surrounding fire. DO NOT use CO ₂ or dry chemicals.
Specific hazards	Dust may form explosive mixture with air.
Hazardous combustion products	Common combustion products.
Protective measures in fire	Fire personnel exposed of gases from the product is recommended to use respiratory protection. Avoid skin contact/inhalation of dust/vapours. (Also see section 8).

6. ACCIDENTAL RELEASE MEASURES

Personal precaution in spill	Wear necessary protective equipment. See section 8.
Precautions to protect environment	Limit the leakage field. Block up contaminated area. Runoff or release to sewer, waterway or ground is forbidden. The product is soluble in water.
Spill cleanup methods	Collect in containers and seal securely. Remove containers and flush area with water. Inform Authorities if large amounts are involved. For disposal methods see section 13.

7. HANDLING AND STORAGE

Usage precautions	Avoid spilling, skin and eye contact. Provide sufficient ventilation. Eye wash facilities should be available when handling this product.
Usage description	Read and follow manufacturer's recommendations.
Storage precautions	Keep dry. in closed containers

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient name	CAS No.	References	LT Exp 8 Hrs	ST Exp 15 Min
Formaldehyde ...%	50-00-0	MEL.	2 ppm	2 ppm
Total inhalable dust		OES.	10 mg/m ³	
Respirable dust		OES.	4 mg/m ³	
Ingredient comments	MEL = Maximum Exposure Limit. OES = Occupational Exposure Standard.			
Protective equipment				



Process conditions	Eye wash facilities should be available when handling this product.
Ventilation	Provide adequate general and local exhaust ventilation.
Respirators	Respiratory protection must be used if air concentration exceeds acceptable level. Recommended filter: Combination filter: Gas cartridge (organic substances). Gas cartridge (acid gases). Dust filter P2 (for fine dust).
Protective gloves	Use chemical resistant gloves that comply with acceptable standard. Suitable material: Polyvinyl chloride (PVC). Rubber (natural, latex). Neoprene. In the selection of protective equipment, the user must ensure that the equipment complies with the relevant standard. If there is any doubt the user should show this data sheet to the supplier of the equipment to ensure that the correct equipment is available to potential users.
Eye protection	Use approved safety goggles or face shield.
Other Protection	Wear appropriate clothing to prevent any possibility of skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Powder, dust.		
Colour	Off-white.		
Odour	Formaldehyde.		
Physical data comments	For technical data and specifications; see technical data sheet.		
pH-value, diluted solution	7,5-8,7	Concentration %M	2:1
Solubility description	Soluble in water.		
Flash point (°C)	> 100	Method	Setaflash closed cup

10. STABILITY AND REACTIVITY

Stability	The product is stable at the conditions of handling and storage stated in the technical data sheet.
Hazardous decomp. products	Unlikely under normal industrial use.

11. TOXICOLOGICAL INFORMATION

Sensitization	Formaldehyde is classified as a recognised allergen by skin contact.
Health hazards, general	In the industry irritating properties represent the main hazard.
Inhalation	Dust may irritate respiratory system. Gas or vapour is harmful on prolonged exposure or in high concentrations.
Ingestion	May cause discomfort.
Skin	May cause sensitisation by skin contact. Prolonged or repeated exposure may cause severe irritation.
Eyes	Irritating to eyes.

Medical considerations	FORMALDEHYDE: Formaldehyde is classified as a category 3 carcinogen. In animal experiments carcinogenic effects have been demonstrated only at very high dose levels. Such effects have not been demonstrated in man.
Toxicological data	
Component	Formaldehyde ...%
Toxicological data	
Toxic dose - LD50:	800 mg/kg (oral rat)
Carcinogenicity	IARC Int. Agency for Cancer Research. NTP Carcinogens (DHHS).

12. ECOLOGICAL INFORMATION

Ecological information	Not regarded as dangerous for the environment under current legislation.
Mobility	Soluble in water.
Bio accumulation	No bioaccumulation expected.
Degradability	Urea formaldehyde polymer: Slowly but not readily biodegradable. Formaldehyde: Readily biodegradable (BOD5/COD: 0.68).

13. DISPOSAL CONSIDERATIONS

Disposal methods	Disposal should take place according to national and local regulations. Confirm disposal procedures with local authorities. Cured resin is regarded as not hazardous waste. Material safety data sheet for cured resin is available.
Waste class	EWC-code: 08 04 09. EWC-code will depend on the use of this product.
Contaminated packaging	Empty packaging as much as possible. Drained packaging should be recycled if possible.

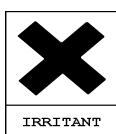
14. TRANSPORT INFORMATION

ROAD TRANSPORT:

ADR class	Not dangerous according to ADR/RID/IMDG/IATA.
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15. REGULATORY INFORMATION

Label for supply



Contains	Formaldehyde ...%
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Risk phrases	R-43 May cause sensitisation by skin contact.
Safety phrases	S-22 Do not breathe dust. S-24 Avoid contact with skin. S-37 Wear suitable gloves.
EU directives	Dangerous Substance Directive 67/548. Dangerous Preparations Directive 1999/45/EEC. Safety data sheet directive 91/155. Directive 2001/58. Directive 91/689. Directive 94/904.

16. OTHER INFORMATION

Explanations to R-phrases in section 2	R-23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R-34 Causes burns. R-43 May cause sensitisation by skin contact. R-40 Limited evidence of a carcinogenic effect.
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*** Information revised since the previous version of the SDS**

User notes:	<p>NOTE: The classification of this product as irritating for supply is consistent with the concentration of formaldehyde analysed by traditional volumetric techniques. This method includes the addition of water to the adhesive, so that the classification is relevant to the risk also when the resin is used.</p> <p>An alternative method, approved by the UK Authorities, involves the measurement of formaldehyde gas emitted from the powder resin. By this method, very low concentrations of formaldehyde are analysed. Accordingly, the resin in the powder state, is not classified as a health hazard when this alternative method is used.</p> <p>The classification and labelling of the resin will therefore differ, depending upon the analytical approach employed.</p> <p>Customers should not therefore make a commercial preference, based upon the different approaches employed for classifying the products.</p>
Revision date	2004-03-01
Rev. No./repl. SDS generated	2003-10-13 (Dynorit L-505)
Signature	L.M.S. Føllesdal
Disclaimer	The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.