

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ProJoint™ MAX Hardener**

Revision date: 29.10.2019

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

ProJoint™ MAX Hardener

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Curing agent

**Uses advised against**

The product is intended for professional use.

**1.3. Details of the supplier of the safety data sheet**

Company name: Nexus Pro Systems Ltd  
Street: Unit 23 Centre Park, Marston Moor Business Park,  
Place: Tockwith, North Yorkshire, YO26 7QF  
Telephone: 01937 858000  
Contact person: Technical Department  
Internet: www.nexuspavingsystems.co.uk  
Responsible Department: Technical Department

**1.4. Emergency telephone number:** 01937 858000 (during office hours - 8.00am - 5.00pm)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Acute 1

Hazardous to the aquatic environment: Aquatic Chronic 1

Hazard Statements:

Harmful if swallowed.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause an allergic skin reaction.

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated  
1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with glycidyl tolyl ether  
3-aminomethyl-3,5,5-trimethylcyclohexylamine  
3-aminopropyldiethylamine; N,N-diethyl-1,3-diaminopropane

**Signal word:** Danger

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**Pictograms:****Hazard statements**

- H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements**

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.

**Special labelling of certain mixtures**

Restricted to professional users.

**2.3. Other hazards**

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

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

formulated polyamine hardener

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1173092-74-4	Carbomonocyclic alkylated mixtures of poly-aza-alcanes, hydrogenated			40 - < 45 %
	Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1; H314 H318 H317			
84144-79-6	1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with glycidyl tolyl ether			30 - < 35 %
	282-199-6		01-2120762088-49	
	Acute Tox. 4, Skin Corr. 1C, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H317 H400 H410			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			5 - < 10 %
	220-666-8	612-067-00-9	01-2119514687-32	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H318 H317 H412			
127036-24-2	C11-Oxoalcohol, 7 EO			1 - < 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318			
100-51-6	benzyl alcohol			1 - < 5 %
	202-859-9	603-057-00-5	01-2119492630-38	
	Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2; H332 H302 H319			
104-78-9	3-aminopropyl-diethylamine; N,N-diethyl-1,3-diaminopropane			1 - < 5 %
	203-236-4	612-062-00-1	01-2119965402-39	
	Flam. Liq. 3, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1; H226 H311 H302 H314 H317			
103-83-3	benzyl-dimethylamine			< 1 %
	203-149-1	612-074-00-7	01-2119529232-48	
	Flam. Liq. 3, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Chronic 3; H226 H331 H312 H302 H314 H318 H412			
149-57-5	2-ethylhexanoic acid			< 1 %
	205-743-6	607-230-00-6		
	Repr. 2; H361d			

Full text of H and EUH statements: see section 16.

**Further Information**

No information available.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In all cases of doubt, or when symptoms persist, seek medical advice.

**After contact with skin**

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off

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immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

**After contact with eyes**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately.

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

No information available.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder.

**Unsuitable extinguishing media**

High power water jet.

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

Non-flammable.

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Wear personal protection equipment (refer to section 8). Do not breathe gas/fumes/vapour/spray.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

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

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**Requirements for storage rooms and vessels**

Keep container tightly closed. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations.

**Hints on joint storage**

For more information about together and separate storage: refer to TRGS 510

**Further information on storage conditions**

Recommended storage temperature: 10 - 30 °C

Keep/Store only in original container.

Store in a dry place.

**7.3. Specific end use(s)**

Further remarks:

Information System of the Professional Association of construction industry see on [www.gisbau.de](http://www.gisbau.de)

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
84144-79-6	1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with glycidyl tolyl ether			
Worker DNEL, long-term		inhalation	systemic	2,35 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0,666 mg/kg bw/day
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			
Worker DNEL, long-term		inhalation	local	0,073 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	0,073 mg/m <sup>3</sup>
100-51-6	benzyl alcohol			
Worker DNEL, long-term		inhalation	systemic	22 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	110 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	8 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	40 mg/kg bw/day
103-83-3	benzyl dimethylamine			
Worker DNEL, long-term		dermal	systemic	2,3 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	14,6 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	1 mg/m <sup>3</sup>

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**PNEC values**

CAS No	Substance	Value
Environmental compartment		
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	
Freshwater		0,06 mg/l
Marine water		0,006 mg/l
Freshwater sediment		5,784 mg/l
Marine sediment		0,578 mg/l
Soil		1,121 mg/l
100-51-6	benzyl alcohol	
Freshwater		1 mg/l
Marine water		0,1 mg/l
Freshwater sediment		5,27 mg/kg
Marine sediment		0,527 mg/kg
Soil		0,456 mg/kg
103-83-3	benzyl dimethylamine	
Freshwater		0,005 mg/l
Marine water		0 mg/l
Freshwater sediment		0,071 mg/kg
Marine sediment		0,007 mg/kg
Soil		0,011 mg/kg

**8.2. Exposure controls**

**Appropriate engineering controls**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Do not breathe gas/fumes/vapour/spray.

**Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

**Eye/face protection**

Suitable eye protection: goggles.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Recommendation to EN 374: For short time use or protection against splashes: Butyl rubber / nitrile rubber (0.4 mm), contaminated gloves should be changed and disposed. Suitable for permanent exposure: Viton gloves (0.4 mm) Break through time > 30 min.

**Skin protection**

Wear suitable protective clothing. Recommendation: Safety shoes according to EN ISO 20345, long pants and long-sleeved work shirt; with mixing and stirring work additional rubber apron and protective boots according to EN 14605

**Respiratory protection**

To follow: EN 689 - Methods for determining inhalation exposure In case of inadequate ventilation wear

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respiratory protection. Organic vapor filter (Type A) The selection of respirators (EN 14387) must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits (sections 8.1) of the selected respirator.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state: liquid  
Colour: yellow  
Odour: Amine-like

**Test method**

pH-Value: No information available.

Flash point: >100 °C calculated.

**Explosive properties**

No information available.

Ignition temperature: No information available.

Decomposition temperature: No information available.

**Oxidizing properties**

No information available.

Vapour pressure: No information available.

Density (at 23 °C): ca. 1,02 g/cm<sup>3</sup> ISO 2811-2

Water solubility: No information available.

**Solubility in other solvents**

No information available.

Partition coefficient: No information available.

Viscosity / dynamic: 400 - 600 mPa·s ISO 2884-1  
(at 25 °C)

Vapour density: No information available.

Evaporation rate: No information available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No hazardous reaction when handled and stored according to provisions.

**10.4. Conditions to avoid**

none

**10.5. Incompatible materials**

Acid, Oxidising agent

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

**SECTION 11: Toxicological information**

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**11.1. Information on toxicological effects**

**Acute toxicity**

Harmful if swallowed.

**ATEmix calculated**

ATE (oral) 1238,9 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
84144-79-6	1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with glycidyl tolyl ether				
	oral	ATE 500 mg/kg			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine				
	oral	LD50 1030 mg/kg	Rat (OECD 401)	ECHA Dossier	
	dermal	ATE 1100 mg/kg			
	inhalation (4 h) aerosol	LC50 >5,01 mg/l	Rat (OECD 403)	ECHA Dossier	
127036-24-2	C11-Oxoalcohol, 7 EO				
	oral	LD50 1940 mg/kg	Rat		
100-51-6	benzyl alcohol				
	oral	LD50 1570 mg/kg	Rat	ECHA Dossier	
	inhalation vapour	ATE 11 mg/l			
	inhalation aerosol	ATE 1,5 mg/l			
104-78-9	3-aminopropyl-diethylamine; N,N-diethyl-1,3-diaminopropane				
	oral	LD50 550 mg/kg	Rat	GESTIS	
	dermal	LD50 615 mg/kg	Rabbit	GESTIS	
103-83-3	benzyl-dimethylamine				
	oral	LD50 579 mg/kg	Rat.	ECHA Dossier	
	dermal	LD50 1477 mg/kg	Rabbit	ECHA Dossier	
	inhalation (4 h) vapour	LC50 2,052 mg/l	Rat.	ECHA Dossier	
	inhalation aerosol	ATE 0,5 mg/l			
149-57-5	2-ethylhexanoic acid				
	oral	LD50 2043 mg/kg	Rat (OECD 401)		
	dermal	LD50 > 2000 mg/kg	Rabbit (OECD 402)		

**Irritation and corrosivity**

Causes severe skin burns and eye damage.

Causes serious eye damage.

**Sensitising effects**



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May cause an allergic skin reaction. (Carbomonocyclic alkylated mixtures of poly-aza-alcanes, hydrogenated; 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with glycidyl tolyl ether; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; 3-aminopropyldiethylamine; N,N-diethyl-1,3-diaminopropane)

**Carcinogenic/mutagenic/toxic effects for reproduction**

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**

Very toxic to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine					
	Acute algae toxicity	ErC50 37 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 23 mg/l	48 h	Daphnia magna (OECD 202)	ECHA Dossier	
103-83-3	benzyltrimethylamine					
	Acute fish toxicity	LC50 37,8 mg/l	96 h	Pimephales promelas (OECD 203)	ECHA Dossier	
	Acute algae toxicity	ErC50 1,34 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna (OECD 202)	ECHA Dossier	
149-57-5	2-ethylhexanoic acid					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Oryzias latipes (OECD 203)		
	Acute algae toxicity	ErC50 49,3 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 85,4 mg/l	48 h	Daphnia magna		

**12.2. Persistence and degradability**

The product has not been tested.

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine			
	Biodegradation	8%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			
127036-24-2	C11-Oxoalcohol, 7 EO			
	OECD 301E/ EEC 92/69/V, C.4-B	>90%	28	MSDS extern
	Readily biodegradable (according to OECD criteria).			
100-51-6	benzyl alcohol			
	OECD 301D/ EEC 92/69/V, C.4-E	95%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
149-57-5	2-ethylhexanoic acid			
	OECD 301E/ EEC 92/69/V, C.4-B	99%	28	
	Readily biodegradable (according to OECD criteria).			

**12.3. Bioaccumulative potential**

The product has not been tested.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
100-51-6	benzyl alcohol	1,1
149-57-5	2-ethylhexanoic acid	2,7

**BCF**

CAS No	Chemical name	BCF	Species	Source
149-57-5	2-ethylhexanoic acid	60		

**12.4. Mobility in soil**

The product has not been tested.

**12.5. Results of PBT and vPvB assessment**

The product has not been tested.

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

**List of Wastes Code - residues/unused products**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

**List of Wastes Code - used product**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

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150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

**14.1. UN number:** UN 2735  
**14.2. UN proper shipping name:** POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Carbomonocyclic alkylated mixtures of poly-aza-alcane, hydrogenated; 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with glycidyl tolyl ether)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8  
 Classification code: C7  
 Special Provisions: 274  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 Transport category: 2  
 Hazard No: 80  
 Tunnel restriction code: E

**Marine transport (IMDG)**

**14.1. UN number:** UN 2735  
**14.2. UN proper shipping name:** POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Carbomonocyclic alkylated mixtures of poly-aza-alcane, hydrogenated; 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with glycidyl tolyl ether)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
 Hazard label: 8  
 Marine pollutant: Yes  
 Special Provisions: 274  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 EmS: F-A, S-B

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: yes  
 Danger releasing substance: 1,2-Ethanediamine, N-(2-aminoethyl)-, reaction products with glycidyl tolyl ether

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information**

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

**EU regulatory information**

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Restrictions on use (REACH, annex XVII):

Entry 3: 3-aminopropyldiethylamine; N,N-diethyl-1,3-diaminopropane

Information according to 2012/18/EU E1 Hazardous to the Aquatic Environment  
(SEVESO III):**Additional information**

Prohibition/Restriction:

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): 3

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). None of the components are listed (=&gt; 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV): not applicable

REACH Information: All substances contained in our Products are preregistered or registered by our upstream suppliers, and/or preregistered or registered by us, and/or excluded from the regulation, and/or exempted from the registration.

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

3 - strongly hazardous to water

Skin resorption/Sensitization:

Permeates easily through outer skin and causes poisoning. Causes allergic hypersensitivity reactions.

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

3-aminomethyl-3,5,5-trimethylcyclohexylamine

benzyl alcohol

benzyl dimethylamine

2-ethylhexanoic acid

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2,3,11,12,14,15.

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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**Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]**

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

**Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*