# **anax**DENT

## Material Safety Data Sheet

Version 1					
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Warning					
H315 – Causes skin irritation.					
H317 – May cause an allergic skin reaction.					
thing.					
5					
nal					
50-75%					
JU-1J70					
t					

	Trade name: <b>anaxBLEND bond LC</b>					
•	Additional information:					
	For the wording of the listed risk phrases refer to section 16.					
4 First	aid measures					
•	General information: Immediately remove any clothing soiled by the product.					
•	After inhalation: Supply fresh air; consult doctor in case of complaints.					
•	After skin contact: Immediately wash with water and soap and rinse thoroughly.					
	If skin irritation continues, consult a doctor.					
•	• After eye contact: Rinse opened eye for several minutes under running water.					
	Then consult a doctor.					
•	After swallowing: Call a doctor immediately.					
	ighting measures					
•	Suitable extinguishing agents:					
	Fire-extinguishing powder, Foam, Carbon dioxide , Water spray.					
•	For safety reasons unsuitable extinguishing agents: Water with full jet.					
•	<b>Protective equipment:</b> Wear self-contained respiratory protective device.					
6 Accid	Wear fully protective suit. ental release measures					
• Accia	Person-related safety precautions:					
•	Ensure adequate ventilation.					
	Keep away from ignition sources.					
	Wear protective clothing.					
•	Measures for environmental protection:					
	Do not allow product to enter sewers/surface or ground water.					
•	Measures for cleaning/collecting:					
	Pick up mechanically. When pumping out, please ensure grounding.					
	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).					
	Dispose of the material collected according to regulations.					
7 Hand	ling and storage					
	Handling					
•	Information for safe handling:					
	Keep receptacles tightly sealed.					
	Ensure good ventilation/exhaustion at the workplace.					
•	Information about fire - and explosion protection:					
	Keep ignition sources away - Do not smoke.					
	Protect against electrostatic charges.					
	Storage					
•	Requirements to be met by storerooms and receptacles:					
•	Store in a cool location.					
	Close container immediately after use and protect product from light incidence.					
•	Information about storage in one common storage facility: not required.					
•	Further information about storage conditions:					
	Keep receptacle tightly sealed.					
	Store in cool, dry conditions in well sealed receptacles.					
8 Expo	sure controls and personal protection gear					
•	Additional information about design of technical facilities:					
	No further data; see item 7.					
	Ingredients with limit values that require monitoring at the workplace:					
	80-62-6 methyl methacrylate					
	OES Short-term value: 416 mg/m <sup>3</sup> , 100 ppm					
	Long-term value: 208 mg/m <sup>3</sup> , 50 ppm					
	Additional information: The lists valid during the making were used as basis.					
•						
•	Personal protective equipment General protective and hygienic measures:					

	Trade	name: anaxBLEND bond LC					
	Keep away from foodstuffs, bev	erages and feed.					
	Immediately remove all soiled and contaminated clothing.						
	Wash hands before breaks and at the end of work.						
	Avoid contact with the eyes and skin.						
•	<b>Respiratory protection:</b> In case of brief exposure or low pollution use respiratory filter device. In						
		sure use self-contained respiratory protective device.					
•	Protection of hands: Protective						
•	Material of gloves: Butyl rubbe						
•	<b>Penetration time of glove material:</b> The exact break trough time has to be found out by the						
	manufacturer of the protective gloves and has to be observed.						
•	Eye protection: Safety glasses						
9 Physi	ical and chemical properties:						
•	General information						
	Form:	Fluid					
	Colour:	Clear					
	Odour:	Ester-like					
•	Change in condition						
	Melting point / Melting range:	-48°C					
	Boiling point / Boiling range:	ca. 100°C					
•	Flash point:	10°C					
•	Ignition temperature:	430 °C					
•	Self-igniting:	Product is not self-igniting.					
•	Danger of explosion:	Product is not explosive. However, formation of explosive					
		air / vapour mixtures are possible.					
•	Explosion limits:	1 1					
	Lower:	2,1 Vol.%					
	Upper:	12,5 Vol. %					
•	Density at 20°C:	Not determined					
•	Solubility in / Miscibility with						
	water:	Not determined					
•	Viscosity:	Not determined					
10 Stal	bility and reactivity						
•	Thermal decomposition / cond	itions to be avoided:					
	No decomposition if used accord						
•	Materials to be avoided: In pre	sence of radical formers ( e. g. peroxides), deoxidizing substances,					
		rization with heat release is possible.					
•	Dangerous reactions: No dange	erous reactions known.					
•		ducts: No dangerous decomposition products known.					
11 Tox	icological information						
•	Acute toxicity:						
	LD/LC50 values relevant for c	lassification:					
	80-62-6 methyl methacrylate						
		000 mg/kg (rat)					
		)3 ppm/4h rat (Lit.)					
•	Primary irritant effect:						
•	<ul> <li>on the skin: Irritant to skin and mucous membranes.</li> </ul>						
•	on the eye: Irritating effect.						
•	Sensitization: Sensitization post	sible through skin contact					
•	Additional toxicological inform	-					
•	The product shows the following dangers according to the calculation method of the General EU						
	Classification Guidelines for Preparations as issued in the latest version.						
	Irritant						

• Sensitization: May cause sensitization by skin contact.

12 Ecol	ogical information:						
•	Behaviour in environmental systems:						
	Components:						
	methyl methacrylate Biodegradability: 30,7 %						
	Time: 28 d						
	Method: OECD 301 C						
	Valuation: difficult to decompose						
•	Ecotoxical effects:	:					
•	Acquatic toxicity:						
	Type of test	Effective concentration	Method	Assessment			
	Toxicity to fish:	LC-50: ►79 mg/l	0ECD 203				
	(MMA)	NOEC: 40 mg/l	ISO 7346				
	Time: 96	5 h EEC84					
	Species: Oncorhynchus mykiss						
	Toxicity to Micro-		starting inhibitio	n of cell growth			
		Species: Pseudomonas pu	tida				
•	General notes:						
		2 (German Regulation) (Sel					
	<u> </u>	ict to reach ground water, v	vater course or se	wage system.			
-	osal considerations	S					
•	i i ouucu						
•		Must be specially treated a					
•			organic solvents, v	vashing liquids and mother liquors.			
Ur	icleaned packaging						
•		: Disposal must be made acc	cording to official	regulations.			
14 Trar	sport information						
•	Land transport AD	DR/RID (cross-border)					
	ADR/RID class: 3 (F1) Flammable liquids.						
	Danger code (Kemler): 339						
	UN-Number: 1247						
	Packaging group: II						
	Hazard label 3						
	Description of goods: 1247 METHYL METHACRYLATE MONOMER, STABILIZED, mixture						
•	Maritime transport IMDG:						
	IMDG Class: 3						
	UN Number: 1247						
	Label 3						
	Packaging group: II						
	EMS Number: F-E,S-D						
	Marine pollutant: N						
		me: METHYL METHACRYLA	E MONOMER, ST	ABILIZED, mixture			
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•	Air transport ICAC	D-TI and IATA-DGR:					
	ICAO/IATA Class: 3						

	UN/ID Number: 1247					
	Label 3					
	Packaging group: II					
•	Proper shipping name: METHYL METHACRYLATE MONOMER, STABILIZED, mixture UN "Model Regulation": UN 1247, METHYL METHACRYLATE MONOMER, STABILIZED, mixture, 3,II					
	ulations					
•	Labelling according to EU guidelines:					
	The product has been classified and marked in accordance with EU Directives / Ordinance on					
	Hazardous Materials					
•						
	Xi Irritant					
	F Highly flammable					
•						
•						
	11 Highly flammable.					
	37/38 Irritating to respiratory system and skin.					
	43 May cause sensitization by skin contact.					
•	Safety phrases:					
	9 Keep container in a well-ventilated place.					
	16 Keep away from sources of ignition - No smoking.					
	23 Do not breathe gas/fumes/vapour/ spray.					
	24 Avoid contact with skin.					
	37 Wear suitable gloves.					
	60 This material and its container must be disposed of as hazardous waste.					
•	National regulations					
•	Technical instructions (air):					
	Class Share in %					
	NK 50-75					
•	Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.					
16 Othe	er 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 R-phrases					
	11 Highly flammable.					
	37/38 Irritating to respiratory system and skin.					
	43 May cause sensitization by skin contact.					
•	Department issuing MSDS: anax dent GmbH					
•	Contact: Mr. Andreas Kopietz					
•	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)					
	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de					
	fer (Regulations concerning the International Transport of Dangerous Goods by Rail)					
	IMDG: International Maritime Code for Dangerous Goods					
	IATA: International Air Transport Association					
	IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organization					
	ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)					
	GHS: Globally Harmonized System of Classification and Labelling of Chemicals					
	GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)					
	LC50: Lethal concentration, 50 percent					
	LD50: Lethal dose, 50 percent					
•	*Data compared to the previous version altered.					
-	Data compared to the previous version ditered.					