

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

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

### 1.1 Product identifier

Trade name : ALEXSEAL A4030-Accelerator Super Build 3

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

Use of the Sub- : Industrial serial painting  
stance/Mixture

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

Producer : Mankiewicz Gebr. & Co. (GmbH & Co. KG)  
Georg-Wilhelm-Strasse 189  
21107 Hamburg  
Germany

#### Only for UK:

Supplied by Mankiewicz UK LLP  
26 Ashville Way, Whetstone,  
Leicester LE8 6NU  
United Kingdom

Telephone : +49 (0) 40 75103 0  
Telefax : +49 (0) 40 75103 375  
E-mail address of person : sdb\_info@umco.de  
responsible for the SDS

### 1.4 Emergency telephone number

Emergency telephone num- : +44 1235 239670 (Carechem International)  
ber

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin corrosion, Sub-category 1C	H314: Causes severe skin burns and eye damage.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

Specific target organ toxicity - repeated exposure, Category 2

H373: May cause damage to organs through prolonged or repeated exposure.

Long-term (chronic) aquatic hazard, Category 3

H412: Harmful to aquatic life with long lasting effects.

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements :  
H225 Highly flammable liquid and vapour.  
H314 Causes severe skin burns and eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe mist or vapours.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.  
**Response:**  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Hazardous components which must be listed on the label:

xylene  
2,4,6-tris(dimethylaminomethyl)phenol  
ethylbenzene  
bis[(dimethylamino)methyl]phenol



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Mixture of synthetic resins and organic solvents

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
xylene	1330-20-7 215-535-7 601-022-00-9 01-2119488216-32	Flam. Liq. 3; H226 Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H312 Skin Irrit. 2; H315 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 40 - <= 100
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2 202-013-9 603-069-00-0 01-2119560597-27	Skin Corr. 1C; H314 Eye Dam. 1; H318	>= 25 - < 40
ethylbenzene	100-41-4 202-849-4 601-023-00-4 01-2119489370-35	Flam. Liq. 2; H225 Acute Tox. 4; H332 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	>= 12.5 - < 20
bis[(dimethylamino)methyl]phenol	71074-89-0	Skin Corr. 1B; H314	>= 1 - < 3



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

275-162-0

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : In all cases of doubt, or when sickness symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air, keep patient warm and at rest.  
Irregular breathing/no breathing: artificial respiration.  
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash skin thoroughly with soap and water or use recognised skin cleanser.  
Do NOT use solvents or thinners !
- In case of eye contact : Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
- If swallowed : Do NOT induce vomiting.  
If accidentally swallowed obtain immediate medical attention.  
Never give anything by mouth to an unconscious person.  
Keep at rest.

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

- Risks : Causes serious eye damage.  
Harmful if inhaled.  
May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure.  
Causes severe burns.

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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media : Alcohol resistant foam, CO2, powders
- Unsuitable extinguishing media : High volume water jet

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

- Specific hazards during fire- : Fire will produce dense black smoke. Exposure to decomposi-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

fighting

tion products may cause a health hazard.

## 5.3 Advice for firefighters

Special protective equipment for firefighters : Appropriate breathing apparatus may be required.

Further information : Cool endangered containers with water in case of fire.  
**DO NOT ALLOW RUN-OFF FROM FIRE FIGHTING TO ENTER DRAINS OR WATER COURSES!!**

## SECTION 6: Accidental release measures

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

Personal precautions : Exclude sources of ignition and ventilate the area.  
Do not inhale vapours.  
Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.  
If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

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

Methods for cleaning up : Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see chapter 13).  
Clean preferably with a detergent; avoid use of solvents.

### 6.4 Reference to other sections

For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.  
Comply with the health and safety at work laws.  
Smoking, eating and drinking should be prohibited in the application area.  
Observe specific national regulations for handling and use of paints.

Advice on protection against fire and explosion : The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.  
Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing. No sparking



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

tools should be used. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

## 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage.
- Further information on storage conditions : Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep container dry in a cool, well-ventilated place.
- Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.
- Recommended storage temperature : 5 - 35 °C

## 7.3 Specific end use(s)

- Specific use(s) : This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
xylene	1330-20-7	TWA	50 ppm 221 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 220 mg/m <sup>3</sup>	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	100 ppm 441 mg/m <sup>3</sup>	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

ethylbenzene	100-41-4	TWA	100 ppm 442 mg/m <sup>3</sup>	2000/39/EC
Further information: Identifies the possibility of significant uptake through the skin, Indicative				
		STEL	200 ppm 884 mg/m <sup>3</sup>	2000/39/EC
Further information: Identifies the possibility of significant uptake through the skin, Indicative				
		TWA	100 ppm 441 mg/m <sup>3</sup>	GB EH40
Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.				
		STEL	125 ppm 552 mg/m <sup>3</sup>	GB EH40
Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.				

## Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
xylene	1330-20-7	methyl hippuric acid: 650 Millimoles per mole Creatinine (Urine)	After shift	GB EH40 BAT

## Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
xylene	Workers	Inhalation	Long-term systemic effects	221 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	212 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	65.3 mg/m <sup>3</sup>
	Consumers	Dermal	Long-term systemic effects	125 mg/kg bw/day
ethylbenzene	Consumers	Oral	Long-term systemic effects	12.5 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	77 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	180 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	15 mg/m <sup>3</sup>
xylene	Consumers	Oral	Long-term systemic effects	1.6 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	221 mg/m <sup>3</sup>
	Workers	Dermal	Long-term systemic effects	212 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	65.3 mg/m <sup>3</sup>



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

	Consumers	Dermal	Long-term systemic effects	125 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	12.5 mg/kg bw/day
ethylbenzene	Workers	Inhalation	Long-term systemic effects	77 mg/m3
	Workers	Dermal	Long-term systemic effects	180 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	15 mg/m3
	Consumers	Oral	Long-term systemic effects	1.6 mg/kg bw/day

## Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
xylene	Fresh water	0.327 mg/l
	Marine water	0.327 mg/l
	Fresh water sediment	12.46 mg/kg dry weight (d.w.)
	Marine sediment	12.46 mg/kg dry weight (d.w.)
	Sewage treatment plant	6.58 mg/l
	Soil	2.31 mg/kg dry weight (d.w.)
2,4,6-tris(dimethylaminomethyl)phenol	Fresh water	0.084 mg/l
	Marine water	0.008 mg/l
	Sewage treatment plant	0.2 mg/l
ethylbenzene	Fresh water	0.1 mg/l
	Marine water	0.01 mg/l
	Fresh water sediment	13.7 mg/kg dry weight (d.w.)
	Marine sediment	1.37 mg/kg dry weight (d.w.)
	Sewage treatment plant	9.6 mg/l
	Soil	2.68 mg/kg dry weight (d.w.)
xylene	Fresh water	0.327 mg/l
	Marine water	0.327 mg/l
	Fresh water sediment	12.46 mg/kg dry weight (d.w.)
	Marine sediment	12.46 mg/kg dry weight (d.w.)
	Sewage treatment plant	6.58 mg/l
	Soil	2.31 mg/kg dry weight (d.w.)
2,4,6-tris(dimethylaminomethyl)phenol	Fresh water	0.084 mg/l
	Marine water	0.008 mg/l
	Sewage treatment plant	0.2 mg/l
ethylbenzene	Fresh water	0.1 mg/l
	Marine water	0.01 mg/l
	Fresh water sediment	13.7 mg/kg dry





# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

		weight (d.w.)
	Marine sediment	1.37 mg/kg dry weight (d.w.)
	Sewage treatment plant	9.6 mg/l
	Soil	2.68 mg/kg dry weight (d.w.)

## 8.2 Exposure controls

### Engineering measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain aerosol- and solvent vapours concentration below the OEL, suitable respiratory protection must be worn.

### Personal protective equipment

Eye/face protection : Wear safety goggles to protect against solvent splashes.

Hand protection

Remarks : Adhere to the professional organisation rule "Use of protective gloves". Appropriate chemicals resistant glove tested in compliance with EN 374.  
Recommendation for protection against components generally found in the products:

For short-term contact (i.e. splash protection):

Appropriate material:

nitrile rubber, Neoprene

Material thickness: > 0,4 mm

Breakthrough time: > 480 min

Before use, the protective glove should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Preventive hand protection (skin protection cream) recommended. Wash immediately contaminated skin. Design operations thus to avoid permanent use of protective gloves.

Skin and body protection : Depending on the probability of the occurrence of dangerously explosive atmospheres, adapted protective clothing must be worn.

Respiratory protection : If the solvent concentration is above the air limit values, a breathing apparatus approved for this purpose must be worn. Use half-mask model with cartridge or air-fed.  
Dry grinding, torch cutting and/or welding however can produce hazardous dust and/or vapour.  
If possible, machine employing a wet medium.  
Where practicable, install exhaust hoods to improve capture of



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

vapours and fumes and avoid exposition; otherwise wear respiratory protection equipment.

Protective measures : Do not eat or drink during work - no smoking.  
Avoid product contact with skin, eyes and clothing.  
Avoid the inhalation of dust from sanding, particulates and spray mist arising from the application of this preparation.  
When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : according product name

Odour : characteristic

Boiling point/boiling range : ca. 120 °C

Upper explosion limit : 10 %(V)

Lower explosion limit : 1 %(V)

Flash point : 6 °C  
Method: ISO 13736

Auto-ignition temperature : > 400 °C

pH :

No data available

Viscosity  
Viscosity, kinematic : > 21 mm<sup>2</sup>s

Flow time : 13 s  
Cross section: 4 mm  
Method: DIN 53211

< 10 s  
Cross section: 6 mm  
Method: ISO 2431

Solubility(ies)  
Water solubility : insoluble



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

Vapour pressure : ca. 100 hPa (50 °C)  
Density : ca. 0.871 g/cm<sup>3</sup> (20 °C)

## 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.  
There are no data available on the preparation itself.

### 10.4 Conditions to avoid

Conditions to avoid : Stable under recommended storage and handling conditions  
(See section 7).

### 10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and  
strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as  
carbon monoxide and dioxide, smoke, oxides of nitrogen.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Harmful if inhaled.

#### Product:

Acute inhalation toxicity : Assessment: The substance/mixture is not toxic on inhalation  
as defined by dangerous goods regulations.

Acute toxicity estimate: 15.36 mg/l

Exposure time: 4 h

Test atmosphere: vapour

Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2,000 mg/kg  
Method: Calculation method



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

## Components:

### xylene:

Acute oral toxicity : LD50 Oral (Rat): 4,300 mg/kg

### Skin corrosion/irritation

Causes severe burns.

### Serious eye damage/eye irritation

Causes serious eye damage.

### Respiratory or skin sensitisation

### Skin sensitisation

Not classified based on available information.

### Respiratory sensitisation

Not classified based on available information.

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

May cause respiratory irritation.

### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

### Aspiration toxicity

Not classified based on available information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### Further information

#### Product:

Remarks : Exposure of vapour concentration in excess of the stated OEL's may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue muscular



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

weakness, drowsiness and in extrem cases, loss of consciousness.  
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. The liquid splashed in the eyes may cause irritation and reversible damage.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

#### Ecotoxicology Assessment

Acute aquatic toxicity : There are no data available on the preparation itself.

### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: There are no data available on the preparation itself.

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: There are no data available on the preparation itself.

### 12.4 Mobility in soil

#### Product:

Mobility : Remarks: There are no data available on the preparation itself.

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties

#### Product:

Mankiewicz Gebr. & Co. (GmbH & Co. KG)  
Georg-Wilhelm-Straße 189  
21107 Hamburg (Wilhelmsburg)  
Tel.: +49 (0) 40 / 75 10 30  
Fax: +49 (0) 40 / 75 10 33 75  
www.mankiewicz.de

Bank Name	Ort	Kto.-Nr.	BLZ	BIC	IBAN
Deutsche Bank	Hamburg	600227300	200 700 00	DEUTDE33HAN	DE58 2007 0000 0600 2273 00
HypoVereinsbank	Hamburg	59273300	200 300 00	HYVEDE33HAN	DE34 2003 0000 0059 2733 00
Postbank	Hamburg	373205	200 100 20	PBNKDE33HAN	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442  
Persönlich haftende Gesellschafterin:  
Grau Gebr. Beteiligungs-GmbH  
Sitz/Registriergericht Hamburg: HRB 17189  
Geschäftsführender Gesellschafter:  
Michael O. Grau

Bureau Veritas  
Certification:  
ISO 9001,  
TS 16949,  
EN 9100



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7 Other adverse effects

### Product:

Additional ecological information : There are no data available on the preparation itself.

The product should not be allowed to enter drains or water courses.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADR : UN 3469  
IMDG : UN 3469  
IATA : UN 3469

### 14.2 UN proper shipping name

ADR : PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE  
IMDG : PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE  
IATA : PAINT RELATED MATERIAL, FLAMMABLE, CORROSIVE

### 14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADR	: 3	8
IMDG	: 3	8
IATA	: 3	8

### 14.4 Packing group

ADR  
Packing group : II

Mankiewicz Gebr. & Co. (GmbH & Co. KG)  
Georg-Wilhelm-Straße 189  
21107 Hamburg (Wilhelmsburg)  
Tel.: +49 (0) 40 / 75 10 30  
Fax: +49 (0) 40 / 75 10 33 75  
www.mankiewicz.de

Bank Name	Ort	Kto.-Nr.	BLZ	BIC	IBAN
Deutsche Bank	Hamburg	600227300	200 700 00	DEUTDE33HAN	DE58 2007 0000 0600 2273 00
HypoVereinsbank	Hamburg	59273300	200 300 00	HYVEDE33HAN	DE34 2003 0000 0059 2733 00
Postbank	Hamburg	373205	200 100 20	PBNKDE33HAN	DE85 2001 0020 0000 3732 05

Sitz/Registriergericht Hamburg: HRA 42442  
Persönlich haftende Gesellschafterin:  
Grau Gebr. Beteiligungs-GmbH  
Sitz/Registriergericht Hamburg: HRB 17189  
Geschäftsführender Gesellschafter:  
Michael O. Grau

Bureau Veritas  
Certification:  
ISO 9001,  
TS 16949,  
EN 9100



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

Classification Code : FC  
Hazard Identification Number : 338  
Labels : 3 (8)  
Tunnel restriction code : (D/E)  
Remarks : If transported within the user's premises: To be transported always in closed, upright and safe containers. Make sure that persons handling these containers are aware of the rules of conduct in case of incident or spillage.

**IMDG**  
Packing group : II  
Labels : 3 (8)  
EmS Code : F-E, S-C

**IATA (Cargo)**  
Packing instruction (cargo aircraft) : 363  
Packing group : II  
Labels : Flammable Liquids, Corrosive

**IATA (Passenger)**  
Packing instruction (passenger aircraft) : 352  
Packing instruction (LQ) : Y340  
Packing group : II  
Labels : Flammable Liquids, Corrosive

## 14.5 Environmental hazards

**ADR**  
Environmentally hazardous : no

**IMDG**  
Marine pollutant : no

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

UK REACH Candidate list of substances of very high : Not applicable



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

concern (SVHC) for Authorisation

UK REACH List of substances subject to authorisation : Not applicable  
(Annex XIV)

Volatile organic compounds :

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 71.6 %, 624 g/l  
VOC content excluding water

## Other regulations:

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for the mixture.

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H304 : May be fatal if swallowed and enters airways.  
H312 : Harmful in contact with skin.  
H314 : Causes severe skin burns and eye damage.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H332 : Harmful if inhaled.  
H335 : May cause respiratory irritation.  
H373 : May cause damage to organs through prolonged or repeated exposure.  
H412 : Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Chronic : Long-term (chronic) aquatic hazard  
Asp. Tox. : Aspiration hazard  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Flam. Liq. : Flammable liquids  
Skin Corr. : Skin corrosion  
Skin Irrit. : Skin irritation  
STOT RE : Specific target organ toxicity - repeated exposure  
STOT SE : Specific target organ toxicity - single exposure  
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values  
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 BAT : UK. Biological monitoring guidance values  
2000/39/EC / TWA : Limit Value - eight hours  
2000/39/EC / STEL : Short term exposure limit  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

Other information : The information given in this material safety data sheet does not release the user from its duty of risk assessment and control in the work place defined in other health and safety law. Adhere to the national sanitary and occupational safety regulations when using this product.

This safety datasheet complies with the requirements of regulation (EC) No 1907/2006(2020/878).

## Classification of the mixture:

Flam. Liq. 2	H225
Acute Tox. 4	H332
Skin Corr. 1C	H314
Eye Dam. 1	H318
STOT SE 3	H335
STOT RE 2	H373

## Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Commercial Product Name: ALEXSEAL A4030-Accelerator Super  
Build 3  
Quality No.: 9075600000000

Revision Date 10.11.2022  
Print Date 10.11.2022  
Version 5

Aquatic Chronic 3

H412

Calculation method

## Department issuing safety data sheet

UMCO GmbH

Georg-Wilhelm-Str.187, D-21107 Hamburg

Telefon: +49(0)40/555 546 300 Fax: +49(0)40/555 546 357

e-mail:umco@umco.de

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

GB / EN

