

Alfix P-Primer

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

1.1 **Product identifier:** Alfix P-Primer

1.2 **Relevant identified uses of the substance or mixture and uses advised against:** Solvent borne primer - for the professional user.

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

Alfix A/S
H.C. Ørsteds Vej 11-13
DK-6000 Kolding
Tel.: +45 75 52 90 11
Fax: +45 75 50 40 11
e-mail: alfix@alfix.dk
Contact person: Allan Nielsen / Frank Pingel

1.4 **Emergency telephone number**

+45 75 52 90 11 (Alfix)

SECTION 2: Hazards identification

2.1 **Classification of the substance or mixture:**

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

Repr. 2 ; H361d - Reproductive toxicity : Category 2 ; Suspected of damaging the unborn child.

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

STOT RE 2 ; H373 - STOT-repeated exposure : Category 2 ; May cause damage to organs through

prolonged or repeated exposure.

2.2 **Label elements**

Labelling according to EEC regulations 67/548/EEC and 99/45/EEC

Hazard pictograms



Flame (GHS02) · Health hazard (GHS08) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

TOLUENE ; CAS No. : 108-88-3

Hazard statements

H225 Highly flammable liquid and vapour.

H361d Suspected of damaging the unborn child.

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of water/....

Special rules for supplemental label elements for certain mixtures

EUH208 Contains N-BUTYL METHACRYLATE ; METHYL METHACRYLATE. May produce an allergic reaction.

2.3 **Other hazards:**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.1 Substances: - Mixtures:

CAS-No.	EC-No.	REACH-No.	Substances	Content-%	Classification
108-88-3	203-625-9	01-21194713 10-51	Toluen	50-99%	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Repr. 2; H361d STOT RE2; H373 Skin Irrit. 2 ; H315 STOT SE 2 ; H336
71-36-3	200-751-6	01-21194846 30-38	n-Butanol	1-<5%	Flam. Liq. 3 ; H226 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Sin Irrit. 2 ; H315 STOT SE 3 ; H335 STOT SE 3 ; H336
97-88-1	202-615-1	01-21194863 94-28	N-Butyl-Methacrylat	< 1%	Flam. Liq. 3 ; H226 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 STOT SE 3 ; H335
80-62-6	201-297-1	01-21194524 98-28	Methyl-Methacrylat	< 1%	Flam. Liq. 2 ; H225 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 STOT SE 3 ; H335

CLP*: Regulation (EC) No 1272/2008 of the European Parliament and of the Council
For the full text of R-phrases and H-phrases see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

General information

If medical advice is needed, have product container, label or safety data sheet at hand.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. Consult a physician in case of symptoms.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest.

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:

None

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media

Carbon dioxide (CO₂) Extinguishing powder Water spray alcohol resistant foam

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture:

Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrogen oxides (NO_x)

5.3 Advice for firefighters:

Do not allow run-off from fire-fighting to enter drains or water courses.

Special protective equipment for firefighters

Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours. Use personal protection equipment.

6.2 Environmental precautions:

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3 Methods and material for containment and clearing 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.

Other information

May form explosive vapour-air mixtures. Provide adequate ventilation.

6.4 References to other sections:

See above.

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

Protective measures

Use only in well-ventilated areas.

Measures to prevent fire

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities:

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage

Storage class (TRGS 510) : 3

Do not store together with

Food and feedingstuffs

7.3 Specific end use(s):

Solvent borne primer - for the professional user - Observe technical data sheet.

SECTION 8:**Exposure controls/personal protection****8.1 Control parameters:**

Occupational exposure limit values

TOLUENE ; CAS No. : 108-88-3

Limit value type (country of origin) :

TRGS 900 (D)

Limit value : 50 ppm / 190 mg/m³

Peak limitation : 4(II)

Remark : H, Y

Version : 01.06.2008

Limit value type (country of origin) :

STEL (EC)

Limit value : 100 ppm / 384 mg/m³

Remark : H

Version : 07.02.2006

Limit value type (country of origin) :

TWA (EC)

Limit value : 50 ppm / 192 mg/m³

Remark : H

Version : 07.02.2006

BUTANOL ; CAS No. : 71-36-3

Limit value type (country of origin) :

TRGS 900 (D)

Limit value : 100 ppm / 310 mg/m³

Peak limitation : 1(I)

Remark : Y

Version : 01.06.1999

METHYL METHACRYLATE ; CAS No. : 80-62-6

Limit value type (country of origin) :

TRGS 900 (D)

Limit value : 50 ppm / 210 mg/m³

Peak limitation : 2(I)

Remark : Y

Version : 02.07.2009

METHANOL (resulting by cleavage) ; CAS No. : 67-56-1

Limit value type (country of origin) :

TRGS 900 (D)

Limit value : 200 ppm / 270 mg/m³

Peak limitation : 4(II)

Remark : H, Y

Version : 01.02.2006

Biological limit values

TOLUENE ; CAS No. : 108-88-3

Limit value type (country of

origin) :

TRGS 903 (D)

Parameter : Toluene / Whole blood (B) / End of exposure or end of shift

Limit value : 600 µg/l

Version : 31.03.2004

Limit value type (country of

origin) :

TRGS 903 (D)

Parameter :

o-Cresol / Urine (U) / End of exposure or end of shift ; At long term exposure: after several previous shifts

Limit value : 1,5 mg/l

Version : 31.03.2004

BUTANOL ; CAS No. : 71-36-3

Limit value type (country of origin) :

TRGS 903 (D)

Parameter : 1-Butanol / Urine (U) / Before next shift

Limit value : 2 mg/g Kr

Version : 15.05.2013

Limit value type (country of origin) :

TRGS 903 (D)

Parameter : 1-Butanol / Urine (U) / End of exposure or end of shift

Limit value : 10 mg/g Kr

Version : 15.05.2013

METHANOL (resulting by cleavage) ; CAS No. : 67-56-1

Limit value type (country of origin) :

TRGS 903 (D)

Parameter :

Methanol / Urine (U) / End of exposure or end of shift ; At long term

exposure: after several previous shifts

Limit value : 30 mg/l

Version : 01.09.2001

8.2 Exposure controls:

Personal protection equipment

Eye/face protection.

Eye glasses with side protection - DIN EN 166

Skin protection

Hand protection

Wear suitable gloves. - DIN EN 374

Suitable material : CR (polychloroprene, chloroprene rubber) NBR (Nitrile rubber) FKM (fluoro rubber) PVA (Polyvinyl alcohol) special laminates (0,75 mm) -

Breakthrough time (maximum wearing time) : The permeation time (max. usage time) of the gloves depends on material and thickness as well as temperature. The data are available from the manufacturer of the specific gloves.

Because it is a complex mixture of polar and unpolar solvents all mentioned materials for gloves have medium to short permeation time for specific components (i.e. permeation index 2 to 4 according to 30 to 120 minutes). Most suitable are gloves made from laminates with multi layers.

Recommended glove articles : Appropriate gloves are available e.g. from Mapa-Professionel (F-92205 Neuilly sur Seine - France): STANZOIL ® (CR - 0,85 mm) - ULTRIL ® 377 (NBR - 1,3 mm) - COBRA ® (FKM - 0,65 mm) - CHEM-PLY ® (0,75 mm) -

Remark : Disposable gloves are suitable as protection against spray or splashes, only.

Respiratory protection

Breathing protection equipment required in inadequately ventilated places and during spraying.

Suitable respiratory protection apparatus

For short term use: Combination filtering device (EN 14387) combination filter - type A-P2 (for gases and vapours of organic compounds, boiling point above 65 °C / particles, colour code: brown / white)

General health and safety measures

The usual precautionary measures for the handling of chemicals have to be observed. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Remove contaminated, saturated clothing immediately. Avoid contact with skin, eyes and clothes.

SECTION 9:

Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance: Liquid.

Odour: -

Odour threshold: -

pH: -

Melting point/freezing point: -

Initial boiling point and boiling range: -

Flash point:-

Evaporation rate: -

Flammability (solid, gas): -

Upper/lower flammability or explosive limits: -

Vapour pressure: -

Vapour density: -

Relative density: -

Solubility(ies): Soluble

Partition coefficient: n-octanol/water: -

Auto-ignition temperature: -

Decomposition temperature: -

Viscosity: -

Explosive properties: -

Oxidising properties: -

9.2 Other information: May form flammable/explosive vapour-air mixture.

SECTION 10:

Stability and reactivity

10.1 Reactivity:

Product is under normal conditions not reactive.

10.2 Chemical stability:

Product is stable under normal conditions.

10.3 Possibility of hazardous reactions:

May form explosive vapour-air mixtures.

10.4 Conditions to avoid:

Only use the material in places where open light, fire and other flammable sources can be kept away.

10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

No dangerous decomposition products during appropriate storage and handling.

SECTION 11:

Toxicological information

11.1 Information on toxicological effects:

Assessment/classification

Health hazards

Acute toxicity (oral) : No - Based on available data, the classification criteria are not met.

Acute toxicity (dermal) : No - Based on available data, the classification criteria are not met.

Acute toxicity (inhalation) : No - Based on available data, the classification criteria are not met.

Skin Corrosion / Irritation : Category 2 - Causes skin irritation.

Serious eye damage / eye irritation : Category 2A - Causes serious eye irritation.

Sensitisation (Respiratory) : No - Based on available data, the classification criteria are not met.

Sensitisation (Skin) : Category 2 - Contains N-BUTYL METHACRYLATE ; METHYL METHACRYLATE. May produce an allergic reaction.

Germ cell mutagenicity : No - Based on available data, the classification criteria are not met.

Carcinogenicity : No - Based on available data, the classification criteria are not met.

Reproductive toxicity : Category 2 - Suspected of damaging fertility or the unborn child.

Reproductive toxicity, Effects on or via lactation : No - Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : No - Based on available data, the classification criteria are not met.

Specific target organ toxicity (Respiratory tract irritation) : No - Based on available data, the classification criteria are not met.

Specific target organ toxicity (Narcosis) : Category 3 - May cause drowsiness or dizziness.

Specific target organ toxicity (Repeated exposure) : Category 2 - May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : No - Based on available data, the classification criteria are not met.

Additional information

When used and handled according to specification, the product does not have any harmful effect according to our experience and knowledge.

SECTION 12:

Ecological information

12.1 Toxicity:

Aquatic toxicity

The mixture has been checked following the conventional method for eco-toxicological properties. If classified as eco-toxic see section 2 for details.

12.2 Persistence and degradability

No available data.

12.3 Bioaccumulative potential:

No available data.

12.4 Mobility in soil:

No available data.

12.5 Results of PBT and vPvB assessment:

The substances are not PBT/vPvB according to the criteria in Annex XIII.

12.6 Other adverse effects:

No available data.

SECTION 13:

Disposal considerations

13.1 Waste treatment methods:

Product/Packaging disposal

Uncured product: Special waste.

Cured product: household garbage or trade garbage - observe local regulations.

Waste codes/waste designations according to EWC/AVV

08 04 09*: Waste adhesives and sealants containing organic solvents or other dangerous

substances.

Waste treatment options

Appropriate disposal / Package

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

13.2 Additional information:

Please note: The classification of waste for this product may change according to the field of its application. Please observe Directive 2001/118/EC.

SECTION 14:**Transport information**

The product is not considered as dangerous goods.

14.1 UN-number: 1993**14.2 UN proper shipping name:**

Land transport (ADR/RID)

FLAMMABLE LIQUID, N.O.S. (TOLUENE · BUTANOL)

Sea transport (IMDG)

FLAMMABLE LIQUID, N.O.S. (TOLUENE · BUTANOL)

Air transport (ICAO-TI / IATA-DGR)

FLAMMABLE LIQUID, N.O.S. (TOLUENE · BUTANOL)

14.3 Transport hazard class(es):

Land transport (ADR/RID)

Class(es) : 3

Classification code : F1

Hazard identification number

(Kemler No.) : 33

Tunnel restriction code : D/E

Special provisions : 640D · LQ 4 · LQ 11 · E 2

Hazard label(s) : 3

Sea transport (IMDG)

Class(es) : 3

EmS-No. : F-E / S-E

Special provisions : LQ 11 · E 2

Hazard label(s) : 3

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3

Special provisions : E 2

Hazard label(s) : 3

14.4 Packing group: II**14.5 Environmental hazards:** No.**14.6 Special precautions for user:** None**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** No information available.**SECTION 15:****Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

National regulations

Observe in addition any national regulations!

Restrictions of occupation

Please consider possible restrictions for the protection of pregnant and breastfeeding women at work (Directive 92/85/EC) and for the protection of young people at work (Directive 94/33/EC).

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5.1) : 70 - 75 %

Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

Other regulations, restrictions and prohibition regulations

If this product is marketed in Germany the "Chemikalien-Verbotsverordnung" (ChemVerbotsV) does apply.

Betriebssicherheitsverordnung (BetrSichV)

Classification according to Betriebssicherheitsverordnung (BetrSichV) : flammable

15.2 Chemical safety assessment:

No CSA

SECTION 16:**Other information**

The given R-phrase and H-phrase in chapter 2 and 3 are to read as follows:

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H370 Causes damage to organs.

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