

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010



Article No.: 634-Q9191-00 PolyPrimer black  
Print date: 01.10.2015 Revision date: 29.09.2015 26344 EN  
Version: 1.8 Issue date: 29.09.2015 Page: 1 / 7

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

### 1.1. Product identifiers

Article No. (manufacturer/supplier) 634-Q9191-00  
Identification of the substance or mixture PolyPrimer black

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

#### Relevant identified uses:

Coating material

### 1.3.

#### supplier (manufacturer/importer/downstream user/distributor)

Polymer Painting & Technology GmbH  
Underfelsbach 5 Mobil: +41 77 206 42 47  
CH - 9473 Gams E-mail: info@pp-t.com  
Website: www.pp-t.com

### 1.4. Emergency telephone number

Emergency telephone: +49 5522 9015 0  
Only available during office hours.

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]:

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Flam. Liq. 3 / H226 flammable liquids Flammable liquid and vapour.  
Skin Irrit. 2 / H315 skin corrosion/irritation Causes skin irritation.

### 2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



Warning

##### Hazard statements:

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.

##### Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P370 + P378 In case of fire: Use Extinguishing powder or sand to extinguish.  
P403 + P235 Store in a well-ventilated place. Keep cool.

##### contains:

n.a.

##### Supplemental Hazard information (EU):

EUH208 Contains reaction product: bisphenol-A-(epichlorhydrin) ; Fatty acids, C18-unsaturated., Trimers connections. with oleylamine. May produce an allergic reaction.

### 2.3. Other hazards

## 3. Composition / Information on ingredients

### 3.2. Mixtures

#### Product description / chemical characterization

Description: Preparation of synthetic binders, pigments, cosolvents and water

#### Hazardous ingredients:

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010



Article No.: 634-Q9191-00 PolyPrimer black  
Print date: 01.10.2015 Revision date: 29.09.2015  
Version: 1.8 Issue date: 29.09.2015

26344 EN  
Page: 2 / 7

EC No.:	REACH No.:	Wt %
CAS No.:	Chemical name:	Remark:
INDEX No.:	classification:	
215-535-7	01-2119488216-32-xxxx	
1330-20-7	xylene	25 - 50
601-022-00-9	Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315	
202-849-4		
100-41-4	ethylbenzene	5 - 10
601-023-00-4	Flam. Liq. 2 H225 / Acute Tox. 4 H332 / STOT RE 2 H373 / Asp. Tox. 1 H304	
500-033-5	01-2119456619-26-xxxx	
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin)	< 0,5
603-074-00-8	Eye Irrit. 2 H319 / Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Aquatic Chronic 2 H411	
604-612-4		
147900-93-4	Fatty acids, C18-unsaturated., Trimers connections. with oleylamine Skin Sens. 1B H317 / STOT RE 1 H372 / Aquatic Chronic 2 H411	< 0,5

**Additional information**

Full text of classification: see section 16

**4. First-aid measures**

**4.1. Description of first aid measures:**

**General information:**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

**In case of inhalation:**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

**Following skin contact:**

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

**After eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

**After ingestion:**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

**5. Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media:**

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

**Extinguishing media which must not be used for safety reasons:**

strong water jet

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

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

**5.3. Advice for firefighters**

Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous. Cool closed containers that are near the source of the fire.

**6. Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010



Article No.: 634-Q9191-00 PolyPrimer black  
Print date: 01.10.2015 Revision date: 29.09.2015  
Version: 1.8 Issue date: 29.09.2015

26344 EN  
Page: 3 / 7

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

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

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

**6.4. Reference to other sections**

Observe protective provisions (see chapter 7 and 8).

**7. Handling and storage**

**7.1. Precautions for safe handling**

**Advices on safe handling**

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

**Precautions against fire and explosion:**

Vapours are heavier than air. Vapours form explosive mixtures with air.

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

**Requirements for storage rooms and vessels**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSivO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (BGR 132)".

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

**Further information on storage conditions**

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 35 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

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

Observe technical data sheet. Observe instructions for use.

**8. Exposure controls / Personal protection**

**8.1. Control parameters**

ethylbenzene

INDEX No.: 601-023-00-4 / EC No.: 202-849-4 / CAS No.: 100-41-4

WEL, TWA: 441 mg/m<sup>3</sup>; 100 ppm

WEL, STEL: 552 mg/m<sup>3</sup>; 125 ppm

Remark: (May be absorbed through the skin.)

xylene, mixture of isomers

INDEX No.: 601-022-00-9 / EC No.: 215-535-7 / CAS No.: 1330-20-7

WEL, TWA: 220 mg/m<sup>3</sup>; 50 ppm

WEL, STEL: 441 mg/m<sup>3</sup>; 100 ppm

BMGV, TWA: 650 mmol/mol creatinine

Remark: methyl hippuric acid; urine; end of exposure or end of shift

**Additional information:**

TWA : long-term occupational exposure limit value

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010



Article No.: 634-Q9191-00 PolyPrimer black  
Print date: 01.10.2015 Revision date: 29.09.2015  
Version: 1.8 Issue date: 29.09.2015

26344 EN  
Page: 4 / 7

STEL : short-term occupational exposure limit value  
Ceiling : peak limitation

## 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

### Occupational exposure controls

#### **Respiratory protection:**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

#### **Hand protection:**

For prolonged or repeated handling the following glove material must be used: Butyl caoutchouc (butyl rubber)

Thickness of the glove material > 0,4 mm ; Breakthrough time (maximum wearing time) > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

#### **Eye protection:**

Wear closely fitting protective glasses in case of splashes.

#### **Protective clothing:**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

#### **Protective measures:**

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

### Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

## 9. Physical and chemical properties

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

#### **Appearance:**

**Physical state:** liquid  
**Colour:** Trade name/designation  
**Odour:** characteristic

#### **Safety relevant basis data**

	Unit	Method	Remark
<b>Flash point:</b>	23 °C	DIN 53213	
<b>Ignition temperature in °C:</b>	460 °C		
<b>Lower explosion limit:</b>	1,0 Vol-%		
<b>Upper explosion limit:</b>	7,8 Vol-%		
<b>Vapour pressure at 20 °C:</b>	3,01 mbar	calculated.	
<b>Density at 20 °C:</b>	1,26 g/cm <sup>3</sup>	DIN 53217	
<b>Water solubility (g/L):</b>	insoluble		
<b>pH at 20 °C:</b>	neutral		
<b>Viscosity at °C</b>	140-150/4mm		
<b>Solvent separation test (%):</b>	< 3 %		
<b>Solid content (%):</b>	53 Wt %		
<b>solvent content:</b>			
<b>Organic solvents:</b>	46,8 Wt %		
<b>Water:</b>	0,0 Wt %		

### 9.2. Other information:

## 10. Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

### 10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010



Article No.: 634-Q9191-00 PolyPrimer black  
Print date: 01.10.2015 Revision date: 29.09.2015  
Version: 1.8 Issue date: 29.09.2015

26344 EN  
Page: 5 / 7

**10.4. Conditions to avoid**

Hazardous decomposition byproducts may form with exposure to high temperatures.

**10.5. Incompatible materials**

**10.6. Hazardous decomposition products**

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

**11. Toxicological information**

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
No data on preparation itself available.

**11.1. Information on toxicological effects**

**Acute toxicity**

xylene

oral, LD50, Rat: > 2000 mg/kg

**skin corrosion/irritation; Serious eye damage/eye irritation**

Toxicological data are not available.

**Respiratory or skin sensitisation**

Fatty acids, C18-unsaturated., Trimers connections. with oleylamine

Skin:

**Specific target organ toxicity**

Toxicological data are not available.

**Aspiration hazard**

Toxicological data are not available.

**Practical experience/human evidence**

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

**Overall Assessment on CMR properties:**

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**Remark**

There is no information available on the preparation itself .

**12. Ecological information**

**overall evaluation:**

Classification according to Regulation (EC) No. 1272/2008 [CLP]

There is no information available on the preparation itself .

Do not allow to enter into surface water or drains.

**12.1. Toxicity**

Toxicological data are not available.

**12.2. Persistence and degradability**

Toxicological data are not available.

**12.3. Bioaccumulative potential**

Toxicological data are not available.

**12.4. Mobility in soil**

Toxicological data are not available.

**12.5. Results of PBT assessment**

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

**12.6. Other adverse effects**

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010



Article No.: 634-Q9191-00 PolyPrimer black  
Print date: 01.10.2015 Revision date: 29.09.2015  
Version: 1.8 Issue date: 29.09.2015

26344 EN  
Page: 6 / 7

### 13. Disposal considerations

#### 13.1. Waste treatment methods

##### Appropriate disposal / Product

##### Recommendation:

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

##### List of proposed waste codes/waste designations in accordance with EWC

080111 waste paint and varnish containing organic solvents or other dangerous substances

##### packaging

##### Recommendation:

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

### 14. Transport information

#### 14.1. UN number:

Land transport (ADR/RID):	n.a.
Sea transport (IMDG):	n.a.
Air transport (ICAO-TI / IATA-DGR):	1263

#### 14.2. UN proper shipping name

Land transport (ADR/RID):	n.a.
Sea transport (IMDG):	Transport in accordance with 2.3.2.5 of the IMDG Code.
Air transport (ICAO-TI / IATA-DGR):	Paint

#### 14.3. Transport hazard class(es)

Land transport (ADR/RID):	Not classified as Class 3 For container > 450 l Class 3
Sea transport (IMDG)	n.a.
Air transport (ICAO-TI / IATA-DGR)	3

#### 14.4. Packing group:

Land transport (ADR/RID):	n.a.
Sea transport (IMDG):	n.a.
for packages > 30 litres:	III
Air transport (ICAO-TI / IATA-DGR):	III

#### 14.5. Environmental hazards:

Land transport (ADR/RID)	n.a.
Marine pollutant	n.a.

#### 14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

##### Additional information:

##### Land transport (ADR/RID)

tunnel restriction code

##### Sea transport (IMDG)

EmS-No. n.a.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

### 15. Regulatory information

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

##### EU legislation

##### Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/L) ISO 11890-2:	591
VOC-value (in g/L) ASTM D 2369:	591

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) No 453/2010



Article No.: 634-Q9191-00 PolyPrimer black  
Print date: 01.10.2015 Revision date: 29.09.2015  
Version: 1.8 Issue date: 29.09.2015

26344 EN  
Page: 7 / 7

**National regulations**

**Restrictions of occupation:**

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

**Other regulations, restrictions and prohibition regulations**

**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this preparation were not carried out.

**16. Other information**

**Full text of classification in section 3:**

Flam. Liq. 3 / H226	flammable liquids	Flammable liquid and vapour.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.
Flam. Liq. 2 / H225	flammable liquids	Highly flammable liquid and vapour.
STOT RE 2 / H373	Specific target organ toxicity (repeated exposure)	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	respiratory or skin sensitisation	May cause an allergic skin reaction.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
Skin Sens. 1B / H317	respiratory or skin sensitisation	May cause an allergic skin reaction.
STOT RE 1 / H372	Specific target organ toxicity (repeated exposure)	Causes damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

**Additional information:**

Classification according to Regulation (EC) No. 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.