

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

**Product name:** Black primer for windscreen adhesive

**Product code:** MAC.SP.Y38

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

**Use of substance / mixture:** PC9a: Coatings and paints, thinners, paint removers.

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

**Firmenname:** MARSTON-DOMSEL GMBH

Bergheimer Str. 15

D-53909 Zülpich

Tel.: +49 (0) 2252/94150

Fax: +49 (0) 2252/1744

[www.marston-domsel.de](http://www.marston-domsel.de)

[info@marston-domsel.de](mailto:info@marston-domsel.de)

**1.4. Emergency telephone number**

**Emergency tel:** Tel.: + 49 (0) 2252/94150

**Section 2: Hazards identification****2.1. Classification of the substance or mixture**

**Classification under CHIP:** Sens.: R42/43; Xi: R36; F: R11; -: R67

**Classification under CLP:** Flam. Liq. 2: H225; Resp. Sens. 1: H334; Eye Irrit. 2: H319; Skin Sens. 1: H317; STOT SE 3: H336; -: EUH208

**Most important adverse effects:** May cause sensitisation by inhalation and skin contact. Irritating to eyes. Highly flammable. Vapours may cause drowsiness and dizziness.

**2.2. Label elements****Label elements under CLP:**

**Hazard statements:** H225: Highly flammable liquid and vapour.

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H319: Causes serious eye irritation.

H317: May cause an allergic skin reaction.

H336: May cause drowsiness or dizziness.

EUH208: Contains diphenylmethane diisocyanate (isomers and homologues). May produce an allergic reaction.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark

GHS08: Health hazard



**Precautionary statements:** P501: Dispose of contents/container to an approved waste disposal according to local/regional/national/international regulations.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241: Use explosion-proof electrical/ventilating/lighting equipment.

P303+361+353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405: Store locked up.

**Label elements under CHIP:****Hazard symbols:** Highly flammable.

Irritant.

**Risk phrases:** R42/43: May cause sensitisation by inhalation and skin contact.

R36: Irritating to eyes.

R11: Highly flammable.

R67: Vapours may cause drowsiness and dizziness.

**Safety phrases:** S23: Do not breathe in.

S24: Avoid contact with skin.

S37: Wear suitable gloves.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.

**Precautionary phrases:** Contains diphenylmethane diisocyanate (isomers and homologues). May produce an allergic reaction.**2.3. Other hazards****PBT:** This product is not identified as a PBT/vPvB substance.**Section 3: Composition/information on ingredients****3.2. Mixtures**

**Hazardous ingredients:**

## ETHYL METHYL KETONE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
201-159-0	78-93-3	F: R11; Xi: R36; -: R66; -: R67	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	75.000%

## 2-METHOXY-1-METHYLETHYL ACETATE

203-603-9	108-65-6	-: R10 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226	7.500%
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## POLY(HEXAMETHYLENE DIISOCYANATE)

-	28182-81-2	Xi: R36; Sens.: R43	Eye Irrit. 2: H319; Skin Sens. 1: H317	7.500%
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## N-BUTYL ACETATE

204-658-1	123-86-4	-: R10; -: R66; -: R67 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	3.000%
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## XYLENE

215-535-7	1330-20-7	-: R10; Xn: R20/21; Xi: R38	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	3.000%
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## DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)

-	9016-87-9	Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20	Carc. 2: H351; Acute Tox. 4: H332; STOT RE 2: H373; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	0.550%
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**Section 4: First aid measures**
**4.1. Description of first aid measures**

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. If irritation persists, consult a doctor.

**Ingestion:** Call a doctor immediately.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

**Section 5: Fire-fighting measures****5.1. Extinguishing media**

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Carbon dioxide. Sand. Dry chemical powder. Do not use water. Do not use water jet.

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

**Exposure hazards:** No data available.

**5.3. Advice for fire-fighters**

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Ensure adequate ventilation. Do not flush with water or aqueous cleaning agents.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS. Refer to section 13 of SDS.

**Section 7: Handling and storage****7.1. Precautions for safe handling**

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Wash hands before breaks and at the end of workday.

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

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Prevent the build up of electrostatic charge in the immediate area. Maximum storage temperature: <35 ° C. Minimum storage temperature:> 0 ° C.

[cont...]

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

Specific end use(s): No data available.

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

**8.1. Control parameters**

**Hazardous ingredients:**

**ETHYL METHYL KETONE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	600 mg/m <sup>3</sup>	899 mg/m <sup>3</sup>	-	-

**2-METHOXY-1-METHYLETHYL ACETATE**

UK	274 mg/m <sup>3</sup>	548 mg/m <sup>3</sup>	-	-
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**N-BUTYL ACETATE**

UK	724 mg/m <sup>3</sup>	966 mg/m <sup>3</sup>	-	-
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**XYLENE**

UK	220 mg/m <sup>3</sup>	441 mg/m <sup>3</sup>	-	-
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**DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)**

UK	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	-	-
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**DNEL/PNEC Values**

**DNEL / PNEC** No data available.

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. In case of insufficient ventilation wear suitable respiratory: Filter A.

**Hand protection:** Butyl gloves. The selection of a suitable gloves does not only depend on the material, but also upon the quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to use. The exact break trough time has to be found out by the glove manufacturer; observed.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Section 9: Physical and chemical properties**

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

**State:** Liquid

**Colour:** Black

**Odour:** Characteristic odour  
**Evaporation rate:** No data available.  
**Solubility in water:** Not / slightly miscible.  
**Viscosity:** No data available.  
**Boiling point/range°C:** 79  
**Flammability limits %: lower:** 1,8  
**Flash point°C:** -4  
**Autoflammability°C:** No autoignition  
**Relative density:** No data available.  
**VOC g/l:** 670,4 g/l - VOC-EU: 72,34% - VOC-CH: 72,34%

**Melting point/range°C:** No data available.  
**upper:** 11,5  
**Part.coeff. n-octanol/water:** No data available.  
**Vapour pressure:** 105 hPa  
**pH:** No data available.

## 9.2. Other information

**Other information:** Ignition temperature: >300°C. Density: 0,927 g/cm<sup>3</sup> (20°C). Solvent content: organic solvent: 72,3%. Solids content: 27,2%.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

### 10.4. Conditions to avoid

**Conditions to avoid:** No data available.

### 10.5. Incompatible materials

**Materials to avoid:** No data available.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** No data available.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### 2-METHOXY-1-METHYLETHYL ACETATE

IPR	MUS	LD50	750	mg/kg
ORL	RAT	LD50	8532	mg/kg

**N-BUTYL ACETATE**

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

**XYLENE**

ORL	MUS	LD50	2119	mg/kg
ORL	RAT	LD50	4300	mg/kg
SCU	RAT	LD50	1700	mg/kg

**DIPHENYLMETHANE DIISOCYANATE (ISOMERS AND HOMOLOGUES)**

ORL	RAT	LD50	49	gm/kg
SKN	RBT	LD50	>9400	mg/kg

**Relevant effects for mixture:**

Effect	Route	Basis
Irritation	OPT	Hazardous: calculated
Sensitisation	INH DRM	Hazardous: calculated

**Symptoms / routes of exposure**

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:**

Species	Test	Value	Units
CAS 9016-87-9	-	-	-
DAPHNIA	24H EC50	>1000	mg/l
ALGAE	72H EC50	>1640	mg/l
FISH	96H LC50	>1000	mg/l

**12.2. Persistence and degradability**

**Persistence and degradability:** No data available.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No data available.

**12.4. Mobility in soil**

**Mobility:** No data available.

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

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Gevaar voor water klasse 2 (D) (Zelfclassificatie): gevaar voor water.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company. Must not be disposed together with household garbage or into the sewage system.

**Waste code number:** 08 04 09

**Disposal of packaging:** Uncleaned packagings: recommendation: Disposal according to official regulations.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

**Section 14: Transport information**

**14.1. UN number**

**UN number:** UN1993

**14.2. UN proper shipping name**

**Shipping name:** FLAMMABLE LIQUID, N.O.S.

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

**Transport class:** 3

**14.4. Packing group**

**Packing group:** II

**14.5. Environmental hazards**

**Environmentally hazardous:** No

**Marine pollutant:** No

**14.6. Special precautions for user**

**Special precautions:** Warning: flammable liquids. Kemler number: 33. EMS number: F-E,S-E.

**Tunnel code:** D/E

**Transport category:** 2

**Section 15: Regulatory information**

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



**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information****Other information**

**Other information:** This safety data sheet is prepared in accordance with Regulation (EC) No. 1907/2006.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH066: Repeated exposure may cause skin dryness or cracking.  
EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.  
H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.  
H373: 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>.  
R10: Flammable.  
R11: Highly flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R20: Harmful by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R36: Irritating to eyes.  
R38: Irritating to skin.  
R40: Limited evidence of a carcinogenic effect.  
R42/43: May cause sensitisation by inhalation and skin contact.  
R43: May cause sensitisation by skin contact.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
R66: Repeated exposure may cause skin dryness or cracking.  
R67: Vapours may cause drowsiness and dizziness.

**Legend to abbreviations:** PNEC = predicted no effect level  
DNEL = derived no effect level  
LD50 = median lethal dose  
LC50 = median lethal concentration  
EC50 = median effective concentration  
IC50 = median inhibitory concentration  
dw = dry weight  
bw = body weight  
cc = closed cup  
oc = open cup  
MUS = mouse  
GPG = guinea pig  
RBT = rabbit  
HAM = hamster  
HMN = human  
MAM = mammal  
PGN = pigeon  
IVN = intravenous  
SCU = subcutaneous  
SKN = skin  
DRM = dermal  
OCC = ocular/corneal  
PCP = physico-chemical properties

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.