Safety data sheet
according to 1907/2006/EC, Article 31

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

· **Product identifier**

· **Trade name: SABA Primer 9102**
· **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Primer.

· **Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
SABA Dinxperlo BV
Meniststraat 7
NL-7091 ZZ Dinxperlo
The Netherlands

P.O Box 3
NL - 7090 AA Dinxperlo
The Netherlands

Tel.: +31 315 65 89 99
Fax: +31 315 65 32 07
E-mail: info@saba-adhesives.com
Internet: www.saba-adhesives.com

· **Further information obtainable from:** HSE department (e-mail: sds@saba-adhesives.com)
· **Emergency telephone number:** SABA Dinxperlo BV: Tel.: +31 315 65 89 99

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SECTION 2: Hazards identification

· **Classification of the substance or mixture**

Flam. Liq. 2	H225 Highly flammable liquid and vapour.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H336 May cause drowsiness or dizziness.
STOT RE 2	H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.

· **Label elements**
· **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word** Danger

· **Hazard-determining components of labelling:**
Aromatic hydrocarbons, C8-
propan-2-ol
3-trimethoxysilylpropane-1-thiol
3-aminopropyltriethoxysilane
· **Hazard statements**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

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H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.

· **Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves / eye protection.
P370+P378 In case of fire: Use CO2, powder or water spray to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· **Mixtures**
· **Description:**
Mixture of components, as listed below. The percentage composition adds up to a total of 100% with non-hazardous ingredients.

· **Dangerous components:**		
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-xxxx	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	≥10-<80%
CAS: 90989-38-1 EINECS: 292-694-9 Reg.nr.: 01-2119486136-34-xxxx	Aromatic hydrocarbons, C8- Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≥10-<19%
CAS: 4420-74-0 EINECS: 224-588-5	3-trimethoxysilylpropane-1-thiol Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Sens. 1, H317	≥1-<2%
CAS: 919-30-2 EINECS: 213-048-4 Reg.nr.: 01-2119480479-24-xxxx	3-aminopropyltriethoxysilane Skin Corr. 1B, H314; Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.1-<1%

· **Additional information:**
- Aromatic hydrocarbons, C8- is a mixture of:
xylenes (mixture of isomers), m-xylene, o-xylene, p-xylene and ethylbenzene.
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **Description of first aid measures**
· **General information:**
Take affected persons out of danger area and lay down.
Remove any clothing soiled by the product.
· **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
· **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
· **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting.
If symptoms persist consult doctor.

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· ***Most important symptoms and effects, both acute and delayed*** *No further relevant information available.*
· ***Indication of any immediate medical attention and special treatment needed***
No further relevant information available.

SECTION 5: Firefighting measures

· ***Extinguishing media***
· ***Suitable extinguishing agents:***
CO2, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.
· ***Special hazards arising from the substance or mixture***
During heating or in case of fire poisonous gases are produced.
In case of fire, the following can be released:
Nitrogen oxides (NOx)
Carbon monoxide and carbon dioxide
Sulphur oxides (SOx)
Metal oxides.
· ***Advice for firefighters***
· ***Protective equipment:***
Wear fully protective suit.
Wear self-contained respiratory protective device.
Mouth respiratory protective device.
Do not inhale explosion gases or combustion gases.

SECTION 6: Accidental release measures

· ***Personal precautions, protective equipment and emergency procedures***
Keep people at a distance and stay on the windward side.
Mouth respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
· ***Environmental precautions:*** *Do not allow to enter sewers/ surface or ground water.*
· ***Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Do not flush with water or aqueous cleansing agents
· ***Reference to other sections***
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· ***Precautions for safe handling***
The usual precautionary measures are to be adhered to when handling chemicals.
· ***Information about fire - and explosion protection:***
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

· ***Conditions for safe storage, including any incompatibilities***
· ***Storage:***
· ***Requirements to be met by storerooms and receptacles:***
Store only in the original receptacle.
Protect from frost.
Protect from heat and direct sunlight.
· ***Information about storage in one common storage facility:*** *Store away from foodstuffs.*

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· ***Further information about storage conditions:*** *Store in cool, dry conditions in well sealed receptacles.*
· ***Specific end use(s)*** *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

· ***Control parameters***

· ***Ingredients with limit values that require monitoring at the workplace:***

67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m³, 500 ppm Long-term value: 999 mg/m³, 400 ppm

· ***DNELs***

67-63-0 propan-2-ol

Oral	DNEL Consumer	26 mg/kg BW (Chronic effects; Systemic)
Dermal	DNEL Consumer	319 mg/kg BW (Chronic effects; Systemic)
	DNEL Worker	888 mg/kg BW (Chronic effects; Systemic)
Inhalative	DNEL Consumer	89 mg/m3 (Chronic effects; Systemic)
	DNEL Worker	500 mg/m3 (Chronic effects; Systemic)

90989-38-1 Aromatic hydrocarbons, C8-

Oral	DNEL Consumer	1.6 mg/kg BW (Chronic effects; Systemic)
Dermal	DNEL Consumer	0.0108 mg/cm2 (Chronic effects; Systemic)
	DNEL Consumer	108 mg/kg BW (Chronic effects; Systemic)
	DNEL Worker	0.018 mg/cm2 (Chronic effects; Systemic)
	DNEL Worker	180 mg/kg BW (Chronic effects; Systemic)
Inhalative	DNEL Consumer	174 mg/m3 (Acute effects; Local)
		174 mg/m3 (Acute effects; Systemic)
		14.8 mg/m3 (Chronic effects; Systemic)
	DNEL Worker	289 mg/m3 (Acute effects; Local)
		289 mg/m3 (Acute effects; Systemic)
		77 mg/m3 (Chronic effects; Systemic)

· ***PNECs***

67-63-0 propan-2-ol

PNEC Aquatic ecosystem	140.9 mg/l (Fresh water)
	140.9 mg/l (Marine water)
	2,251 mg/l (Sewage treatment)
PNEC Aquatic ecosystem	552 mg/kg (Fresh water sediment)
	552 mg/kg (Marine water sediment)
	28 mg/kg (Soil)

90989-38-1 Aromatic hydrocarbons, C8-

PNEC Aquatic ecosystem	12.46 mg/l (Fresh water sediment)
	0.327 mg/l (Fresh water)
	0.327 mg/l (Intermittent release)
	12.46 mg/l (Marine water sediment)
	0.327 mg/l (Marine water)
	6.58 mg/l (Sewage treatment)
PNEC Aquatic ecosystem	2.31 mg/kg (Soil)

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· ***Ingredients with biological limit values:***

· ***Additional Occupational Exposure Limit Values for possible hazards during processing:***	
1330-20-7 xylene (mixture of isomers)	
WEL	*Short-term value: 441 mg/m³, 100 ppm* *Long-term value: 220 mg/m³, 50 ppm* *Sk; BMGV*
95-47-6 o-xylene	
WEL	*Short-term value: 441 mg/m³, 100 ppm* *Long-term value: 220 mg/m³, 50 ppm* *Sk; BMGV*
106-42-3 p-xylene	
WEL	*Short-term value: 441 mg/m³, 100 ppm* *Long-term value: 220 mg/m³, 50 ppm* *Sk; BMGV*
108-38-3 m-xylene	
WEL	*Short-term value: 441 mg/m³, 100 ppm* *Long-term value: 220 mg/m³, 50 ppm* *Sk; BMGV*
100-41-4 ethylbenzene	
WEL	*Short-term value: 552 mg/m³, 125 ppm* *Long-term value: 441 mg/m³, 100 ppm* *Sk*

· ***Additional information:*** *The lists valid during the making were used as basis.*

· ***Exposure controls***
· ***Appropriate engineering controls*** *No further data; see item 7.*
· ***Individual protection measures, such as personal protective equipment***
· ***General protective and hygienic measures:***
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Keep away from foodstuffs, beverages and feed.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Remove any clothing soiled by the product.
Store protective clothing separately.
· ***Respiratory protection:***
Use suitable respiratory protective device in case of insufficient ventilation.
Recommended filter:
Filter A
· ***Hand protection***

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
· ***Material of gloves***
The selection of the suitable gloves does not only depend on the material, but also on further marks of 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 the application.
· ***Penetration time of glove material***
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
Neoprene gloves
· **Eye/face protection** Safety glasses
· **Body protection:** Protective work clothing.

*
SECTION 9: Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Physical state**	Fluid
· **Colour:**	Colourless
· **Odour:**	Characteristic
· **Odour threshold:**	No data available.
· **Melting point/freezing point:**	No data available.
· **Boiling point or initial boiling point and boiling range**	82 °C
· **Flammability**	Highly flammable.
· **Lower and upper explosion limit**	
· **Lower:**	1 Vol %
· **Upper:**	12 Vol %
· **Flash point:**	14 °C
· **Ignition temperature:**	425 °C
· **Decomposition temperature:**	No data available.
· **pH**	Not applicable.
· **Viscosity:**	
· **Dynamic at 20 °C:**	10 mPas
· **Solubility**	
· **water:**	Not miscible or difficult to mix.
· **Partition coefficient n-octanol/water (log value)**	No data available.
· **Vapour pressure at 20 °C:**	42.6 hPa
· **Density and/or relative density**	
· **Density at 20 °C:**	0.8 g/cm³
· **Vapour density**	No data available.

· **Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Important information on protection of health and environment, and on safety.**	
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· **Solvent separation test:**	No data available.
· **Solvent content:**	
· **Organic solvents:**	97.1 %
· **VOC (EC)**	797.3 g/l 99.0 %
· **Solids content:**	1.0 %
· **Change in condition**	
· **Softening point/range**	
· **Oxidising properties**	No data available.
· **Evaporation rate**	No data available.

· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void

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· ***Oxidising gases***	*Void*
· ***Gases under pressure***	*Void*
· ***Flammable liquids***	*Highly flammable liquid and vapour.*
· ***Flammable solids***	*Void*
· ***Self-reactive substances and mixtures***	*Void*
· ***Pyrophoric liquids***	*Void*
· ***Pyrophoric solids***	*Void*
· ***Self-heating substances and mixtures***	*Void*
· ***Substances and mixtures, which emit flammable gases in contact with water***	*Void*
· ***Oxidising liquids***	*Void*
· ***Oxidising solids***	*Void*
· ***Organic peroxides***	*Void*
· ***Corrosive to metals***	*Void*
· ***Desensitised explosives***	*Void*
· ***Additional information***	*The physical data presented above are typical values and should not be construed as a specification.*

SECTION 10: Stability and reactivity

· ***Reactivity*** *No further relevant information available.*
· ***Chemical stability***
· ***Thermal decomposition / conditions to be avoided:*** *No decomposition if used according to specifications.*
· ***Possibility of hazardous reactions*** *Reacts with oxidising agents.*
· ***Conditions to avoid*** *No further relevant information available.*
· ***Incompatible materials:*** *No further relevant information available.*
· ***Hazardous decomposition products:***
Nitrogen oxides
Carbon monoxide and carbon dioxide
Sulphur oxides (SOx)

*
SECTION 11: Toxicological information

· ***Information on hazard classes as defined in Regulation (EC) No 1272/2008***
· ***Acute toxicity***

· ***LD/LC50 values relevant for classification:***		
ATE (Acute Toxicity Estimates)		
Oral	*LD50*	*38,891-46,880 mg/kg (rat)*
Dermal	*LD50*	*5,978 mg/kg*
Inhalative	*LC50/4 h*	*59.8 mg/l (rat)*

67-63-0 propan-2-ol		
Oral	*LD50*	*5,045 mg/kg (rat)*
Dermal	*LD50*	*12,800 mg/kg (rabbit)*
Inhalative	*LC50/4 h*	*30 mg/l (rat)*
90989-38-1 Aromatic hydrocarbons, C8-		
Oral	*LD50*	*>4,300 mg/kg (rat)*
Dermal	*LD50*	*>2,000 mg/kg (rabbit)*
Inhalative	*LC50/4 h*	*>20 mg/l (rat)*
4420-74-0 3-trimethoxysilylpropane-1-thiol		
Oral	*LD50*	*774-933 mg/kg (rat)*
Dermal	*LD50*	*2,268-2,608 mg/kg (rat)*

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		6,000 mg/kg (rabbit)

· **Skin corrosion/irritation** Causes skin irritation.
· **Serious eye damage/irritation** Causes serious eye irritation.
· **Respiratory or skin sensitisation** May cause an allergic skin reaction.
· **STOT-single exposure** May cause drowsiness or dizziness.
· **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
· **Aspiration hazard** May be fatal if swallowed and enters airways.
· **Information on other hazards**

· **Endocrine disrupting properties**
None of the ingredients is listed.

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SECTION 12: Ecological information

· **Toxicity**

· **Aquatic toxicity:**	
67-63-0 propan-2-ol	
EC50	>10,000 mg/kg (daphnia)
90989-38-1 Aromatic hydrocarbons, C8-	
EC50 (48h)	>1 mg/l (daphnia)
4420-74-0 3-trimethoxysilylpropane-1-thiol	
EC50 (48h)	6.7 mg/l (daphnia)

· **Persistence and degradability** No further relevant information available.
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
· **Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

· **Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.

· **European waste catalogue**	
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.

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SECTION 14: Transport information

· **UN number or ID number**
· **ADR/RID/ADN, IMDG, IATA** UN1133

· **UN proper shipping name**
· **ADR/RID/ADN** 1133 ADHESIVES, special provision 640D
· **IMDG, IATA** ADHESIVES

· **Transport hazard class(es)**

· **ADR/RID/ADN**

· **Class** 3 (F1) Flammable liquids.
· **Label** 3

· **IMDG, IATA**

· **Class** 3 Flammable liquids.
· **Label** 3

· **Packing group**
· **ADR/RID/ADN, IMDG, IATA** II

· **Environmental hazards:** Not applicable.

· **Special precautions for user** Warning: Flammable liquids.
· **Hazard identification number (Kemler code):** 33
· **EMS Number:** F-E,S-D
· **Stowage Category** B

· **Maritime transport in bulk according to IMO instruments** Not applicable.

· **Transport/Additional information:**

· **ADR/RID/ADN**
· **Limited quantities (LQ)** 5L
· **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
· **Transport category** 2
· **Tunnel restriction code** D/E

· **IMDG**
· **Limited quantities (LQ)** 5L
· **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":** UN 1133 ADHESIVES, SPECIAL PROVISION 640D, 3, II

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SECTION 15: Regulatory information

· ***Registration status***

· ***Directive 2012/18/EU***
· ***Named dangerous substances - ANNEX I*** *None of the ingredients is listed.*
· ***Seveso category*** *P5c FLAMMABLE LIQUIDS*
· ***Qualifying quantity (tonnes) for the application of lower-tier requirements*** *5.000 t*
· ***Qualifying quantity (tonnes) for the application of upper-tier requirements*** *50.000 t*
· ***Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

*
SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· ***Relevant phrases***
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
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.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
· ***Contact:*** *HSE department (e-mail: sds@saba-adhesives.com).*
· ***Date of preparation / last revision***
· ***Abbreviations and acronyms:***
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids, Hazard Category 2
Skin Corr. 2: Skin corrosion/ irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/ eye irritation, Hazard Category 2
Skin Sens. 1: Skin sensitization, Hazard Category 1
STOT RE 2: Specific target organ toxicity - repeated exposure, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
· **** Data compared to the previous version altered.***