

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

- **Product identifier**
- **Trade name:** swift@prime 2903
- **Article number:** 121903.BULK.00
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Priming
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
 FORBO ADHESIVES France S.A.S.  
 67250 SURBOURG  
 FRANCE  
 Tél. : +33 (0)3.88.05.68.68  
 Fax. : +33 (0)3.88.80.54.14
- **Informing department:**  
 Clarisse SCHOPFER  
 Phone : +33 (0)3 88 05 68 64  
 E-mail : clarisse.schopfer@forbo.com
- **Emergency telephone number:** Environment, Health & Safety Department

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2      H225 Highly flammable liquid and vapour.



GHS07

Skin Irrit. 2      H315 Causes skin irritation.  
 Eye Irrit. 2      H319 Causes serious eye irritation.  
 STOT SE 3      H335 May cause respiratory irritation.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R20: Harmful by inhalation.



Xi; Irritant

R36/37: Irritating to eyes and respiratory system.



F; Highly flammable

R11: Highly flammable.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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· **Label elements**

· **Labelling according to EU guidelines:**

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

· **Code letter and hazard designation of product:**



Xn Harmful  
F Highly flammable

· **Hazard-determining components of labelling:**

4-methylpentan-2-one

· **Risk phrases:**

- 11 Highly flammable.
- 20 Harmful by inhalation.
- 36/37 Irritating to eyes and respiratory system.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

- 9 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe fumes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 33 Take precautionary measures against static discharges.
- 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

· **Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**












· **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 108-10-1 EINECS: 203-550-1	4-methylpentan-2-one Xn R20; Xi R36/37; F R11 R66 Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	25-50%
CAS: 78-93-3 EINECS: 201-159-0	butanone Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 92062-15-2 EINECS: 295-529-9	Solvent naphtha (petroleum), hydrotreated light naphthenic Xn R65; Xi R38; F R11; N R51/53 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	5-10%

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CAS: 1333-86-4 EINECS: 215-609-9	Carbon black	1-5%
CAS: 108-95-2 EINECS: 203-632-7	phenol  T R23/24/25;  C R34;  Xn R48/20/21/22-68 Muta. Cat. 3 <hr style="border-top: 1px dashed black;"/>  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331;  Muta. 2, H341; STOT RE 2, H373;  Skin Corr. 1B, H314	0.1-1%
CAS: 140-66-9 EINECS: 205-426-2	4-(1,1,3,3-tetramethylbutyl)phenol  Xi R38-41;  N R50/53 <hr style="border-top: 1px dashed black;"/>  Eye Dam. 1, H318;  Aquatic Acute 1, H400; Aquatic Chronic 1, H410;  Skin Irrit. 2, H315	< 0.1%

· **Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** Instantly call for doctor.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards arising from the substance or mixture**  
Can be released in case of fire  
Carbon monoxide and carbon dioxide
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**  
Collect contaminated fire fighting water separately. It must not enter drains.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation
- **Environmental precautions:**  
Inform respective authorities in case product reaches water or sewage system.  
Do not allow to enter drainage system, surface or ground water.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Dispose of contaminated material as waste according to item 13.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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- **Reference to other sections**  
See Section 8 for information on personal protection equipment.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling**  
Keep containers tightly sealed.  
Store in cool, dry place in tightly closed containers.  
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store in cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed containers.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

<b>108-10-1 4-methylpentan-2-one</b>	
WEL	Short-term value: 416 mg/m <sup>3</sup> , 100 ppm Long-term value: 208 mg/m <sup>3</sup> , 50 ppm Sk
<b>78-93-3 butanone</b>	
WEL	Short-term value: 899 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm Sk
<b>1333-86-4 Carbon black</b>	
WEL	Short-term value: 7 mg/m <sup>3</sup> Long-term value: 3.5 mg/m <sup>3</sup>
<b>108-95-2 phenol</b>	
WEL	Long-term value: 2 ppm Sk

- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures should be adhered to general rules for handling chemicals.

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Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Use breathing protection in case of insufficient ventilation.

· **Protection of hands:**

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Nitrile rubber, NBR

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Fluid

**Colour:** Black

· **Odour:** Characteristic

· **Change in condition**

**Melting point/Melting range:** Not determined

**Boiling point/Boiling range:** > 75 °C

· **Flash point:** - 20 °C

· **Ignition temperature:** > 200 °C

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.

· **Density at 20 °C** 0.850 ± 0.010 g/cm<sup>3</sup>

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- |                                                  |                                  |
|--------------------------------------------------|----------------------------------|
| <b>· Solubility in / Miscibility with Water:</b> | Not miscible or difficult to mix |
| <b>· Viscosity: dynamic at 20°C:</b>             | 500 - 700 mPas (Brookfield)      |
| <b>· Solvent content: Organic solvents:</b>      | 73 - 75 %                        |
| <b>· Solids content:</b>                         | 25 - 27 %                        |

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Hazardous decomposition products:** No dangerous decomposition products known

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**

#### 108-10-1 4-methylpentan-2-one

Oral	LD50	2080 mg/kg (rat)
Dermal	LD50	> 16000 mg/kg (rab)
Inhalative	LC50/4h	8.3-16.6 mg/kg (rat)

#### 78-93-3 butanone

Oral	LD50	> 2600 mg/kg (rat)
Dermal	LD50	> 8000 mg/kg (rbt)
Inhalative	LC50/2h	40 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritant effect.
- **Sensitization:** No sensitizing effect known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Harmful  
Irritant

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## 12 Ecological information

- **Toxicity**

- **Acquatic toxicity:**

**108-10-1 4-methylpentan-2-one**

EC50/48h	170 mg/l (Daphnia magna)
IC50/96h	400 mg/l (Selenastrum capricornutum)
LC50/96h	505 - 540 mg/l (Pimephales promelas)

**78-93-3 butanone**

EC50/48h	5091 mg/l (Daphnia magna)
LC50/96h	3220 mg/l (Pimephales promelas)

- **Persistence and degradability**

**108-10-1 4-methylpentan-2-one**

Bio.Abbaubark./14 d	99 % (-)
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- **Ecotoxicological effects:**

- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

Harmful to aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

## 13 Disposal considerations

- **Waste treatment methods**

- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

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## 14 Transport information

### · Land transport ADR/RID (cross-border)



- **ADR/RID-GGVS/E Class:** 3 Flammable liquids.
- **Kemler Number:** 33
- **UN-Number:** 1133
- **Packaging group:** II
- **Label:** 3
- **UN proper shipping name:** 1133 ADHESIVES (vapor pressure at 50°C at most 110 kPa)
- **Limited quantities (LQ):** LQ6
- **Transport category:** 2
- **Tunnel restriction code:** D/E

### · Maritime transport IMDG:



- **IMDG Class:** 3
- **UN Number:** 1133
- **Label:** 3
- **Packaging group:** II
- **EMS Number:** F-E,S-E
- **Marine pollutant:** No
- **Correct technical name:** ADHESIVES

### · Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1133
- **Label:** 3
- **Packaging group:** II
- **Correct technical name:** ADHESIVES

- **UN "Model Regulation":** UN1133, ADHESIVES, 3, II
- **Special precautions for user:** Warning: Flammable liquids.

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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
I	0,1-1
II	5-10
NK	50-100

- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **VOC (EU) %** 75.15 %
- **Code MAL** 5-5
- **VOC (EU)** 638.7 g/l
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

These data are based on our present knowledge. However, they 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.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic 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.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
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R11	Highly flammable.
R20	Harmful by inhalation.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R36/37	Irritating to eyes and respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R48/20/21/22	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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- R51/53     *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- R65         *Harmful: may cause lung damage if swallowed.*
- R66         *Repeated exposure may cause skin dryness or cracking.*
- R67         *Vapours may cause drowsiness and dizziness.*
- R68         *Possible risk of irreversible effects.*

· **Department issuing data specification sheet:** Environment, Health & Safety Department

· **Contact:** Clarisse Schopfer - Phone : +33 (0)3 88 05 68 64

· **Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)*

*ICAO: International Civil Aviation Organization*

*ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)*

*GHS: Globally Harmonized System of Classification and Labelling of Chemicals*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*