



SAFETY DATA SHEET

SABA PVC & ABS Cleaner

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product name : SABA PVC & ABS Cleaner
Art. No. : 100190d
Use of the substance/preparation : Solvent.

Company/undertaking identification

Manufacturer : SABA Dinxperlo BV
 Industriestraat 3
 P.O. Box 3
 NL - 7090 AA Dinxperlo
 The Netherlands
 Telephone: +31 315-658999
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Emergency telephone number : +31 315-658999

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC Number	Classification
Butanone	78-93-3	100	201-159-0	F; R11 Xi; R36 R66, 67
See section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

The substance is classified as dangerous according to Directive 67/548/EEC and its amendments.

Classification : F; R11
 Xi; R36
 R66, 67

Physical/chemical hazards : Highly flammable.

Human health hazards : Irritating to eyes.
 Repeated exposure may cause skin dryness or cracking.
 Vapours may cause drowsiness and dizziness.

See section 11 for more detailed information on health effects and symptoms.

4. First aid measures

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

Eye contact : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Obtain medical attention immediately.

See section 11 for more detailed information on health effects and symptoms.

Date of issue : 20-9-2004.

Page: 1/5

5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO₂ extinguisher or spray.
- Special exposure hazards** : Highly flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO₂).
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

7. Handling and storage

- Handling** : Avoid contact with eyes. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
Butanone	EH40 (United Kingdom (UK)). Skin TWA: 600 mg/m ³ 8 hour(s). TWA: 200 ppm 8 hour(s). STEL: 899 mg/m ³ 15 minute(s). STEL: 300 ppm 15 minute(s).

Exposure controls

- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Recommended: organic vapor filter (Type A)

SABA PVC & ABS Cleaner

- Hand protection** : Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. We have had good experiences using: 1-4 hour(s) (breakthrough time): neoprene
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
Recommended:safety glasses with side shields
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.
Body: Possible: Lab coat.

9. Physical and chemical properties

General information

Appearance

- Physical state** : Liquid.
- Colour** : Colourless.
- Odour** : Characteristic.

Important health, safety and environmental information

- Boiling point** : 79 to 81°C (174.2 to 177.8°F)
- Melting point** : -86°C (-122.8°F)
- Flash point** : Closed cup: -4°C (24.8°F).
- Explosive properties** : Extremely explosive in presence of open flames, sparks and static discharge.
- Explosion limits** : Lower: 1.8% Upper: 11.5%
- Vapor pressure** : 10.504 kPa (78.8 mm Hg) (at 20°C)
- Relative density** : 0.803 g/cm³
- Viscosity** : Dynamic: <5 cP (23 °C)
- Vapor density** : 2.49 (Air = 1)
- Evaporation rate (butyl acetate = 1)** : 2.6 compared to Ether (anhydrous).

Other information

- Auto-ignition temperature** : 505°C (941°F)
- VOC Content** : VOC (W/W): 100

10. Stability and reactivity

- Stability** : The product is stable.
- Materials to avoid** : Highly reactive with oxidising agents, alkalis.
- Hazardous Decomposition Products** : These products are carbon oxides (CO, CO₂).

11. Toxicological information

Potential acute health effects

- Inhalation** : Practically non-toxic by inhalation.
- Ingestion** : No known significant effects or critical hazards.
- Skin Contact** : Slightly irritating to the skin.
- Eye contact** : Irritating to eyes.

Potential chronic health effects

- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
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SABA PVC & ABS Cleaner

Butanone	LD50	2737 mg/kg	Oral	Rat
	LD50	4050 mg/kg	Oral	Mouse
	LD50	3300 mg/kg	Oral	Rat
	LD50	3000 mg/kg	Dermal	Rabbit
	LD50	6480 mg/kg	Dermal	Rabbit
	LD50	5000 mg/kg	Dermal	Rabbit
	LC50	23500 mg/m ³ (8 hour(s))	Inhalation	Rat
	LC50	12000 (4 hour(s))	Inhalation	Rat
	LCLo	100 ppm (0.1 hour(s))	Inhalation	Human/30 min

12. Ecological informationEcotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Butanone	Goldfish	24 hour(s)	>5000 mg/l
	Fish (LC50)	96 hour(s)	1690 mg/l
	Fish (LC50)	96 hour(s)	3220 mg/l
	Algae (EC50)	0.5 hour(s)	51.9 mg/l

Other ecological informationPersistence/degradability

<u>Ingredient name</u>	<u>BOD₅</u>	<u>COD</u>	<u>ThOD</u>
Butanone			

<u>Ingredient name</u>	<u>Aquatic half-life</u>	<u>Photolysis</u>	<u>Biodegradability</u>
Butanone	1 to 10 day(s)		Readily

Bioaccumulative potential

<u>Ingredient name</u>	<u>LogP_{ow}</u>	<u>BCF</u>	<u>Potential</u>
Butanone	0.29		low

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations



Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Waste classification : 200113

European waste catalogue (EWC) : 080409*

Hazardous waste : The classification of the product may meet the criteria for a hazardous waste

14. Transport informationInternational transport regulations

<u>Regulatory information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Label</u>	<u>Additional Information</u>
ADR/RID Class	UN1193	Ethyl methyl ketone or Methyl ethyl ketone	3	II		Classification Code: F1 Limited quantity LQ4 CEVIC Tremcard 30GF1-I+II
IMDG Class	UN1193	Ethyl methyl ketone or Methyl ethyl ketone	3	II		Emergency schedules (EmS) F-E, S-D

15. Regulatory information

EU Regulations

Hazard symbol(s)



Highly flammable, Irritant

Risk Phrases

: R11- Highly flammable.
R36- Irritating to eyes.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.

Safety Phrases

: S2- Keep out of the reach of children.
S24- Avoid contact with skin.
S46- If swallowed, seek medical advice immediately and show this container or label.
S51- Use only in well-ventilated areas.

Product use

: Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.
- Consumer applications, Industrial applications.

Other EU regulations

Tactile warning of danger : Yes, applicable.

EC Statistical classification (Tariff Code) : 32089091

National regulations

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK)

: R11- Highly flammable.
R36- Irritating to eyes.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)

: F - Highly flammable
Xi - Irritant

History

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Prepared by : J.W. Diesveld.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Date of issue : 20-9-2004.

Page: 5/5