



Xi

Safety Data Sheet dated 6/12/2005, version 5

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name: VIVA  
Colour: 12030/12031  
Trade code: 12031...  
Product type and use: Polyurethane enamel  
Company:  
ATTIVA S.p.A. - BRAND BOERO BARTOLOMEO S.p.A -  
Pozzolo Formigaro (AL) - Tel. +39 0143/318711 - Sede GENOVA Tel. +39 010/53361 - FAX +39  
010/5336310  
Emergency telephone number of the company and/or of an authorised advisory centre:  
Centro Antiveleni - Ospedale "San Martino" - Genova - Tel.010/352808

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components within the meaning of EEC directive 67/548 and corresponding classification:

20% - 25% 2-methoxy-1-methylethyl acetate

N.67/548/CEE: 607-195-00-7 CAS: 108-65-6 EINECS: 203-603-9  
Xi R36 R10

1% - 3% xylene [4]

N.67/548/CEE: 601-022-00-9 CAS: 1330-20-7 EINECS: 215-535-7  
Xn R10 R20/21 R38

1% - 3% 2,6-dimethylheptan-4-one

N.67/548/CEE: 606-005-00-X CAS: 108-83-8 EINECS: 203-620-1  
Xi R37 R10

1% - 3% 3-methoxybutyl acetate

N.67/548/CEE: 607-202-00-3 CAS: 4435-53-4 EINECS: 224-644-9  
Xi R36

1% - 3% Mixture of

a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and  
a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propio

N.67/548/CEE: 607-176-00-3 CAS: 104810-48-2 EINECS: 400-830-7  
N Xi R43 R51/53

0.25% - 0.5% sebacato di bis(1,2,2,6,6-pentametil-4-piperidile)

CAS: 41556-26-7  
N Xi R43 R50/53

0.1% - 0.25% sebacato di metile e 1,2,2,6,6-pentametil-4-piperidile

CAS: 82919-37-7  
N Xi R43 R50/53

## 3. HAZARDS IDENTIFICATION

The product is a liquid that can catch fire at temperatures in excess of 21 °C if exposed to an ignition source.

If brought into contact with the eyes, the product causes considerable irritation which can last for over 24 hours.

If brought into contact with the skin, the product may cause sensitisation of the skin.

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

#### 4. FIRST AID MEASURES

Contact with skin:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Contact with eyes:

Wash immediately and thoroughly with running water, keeping eyelids raised, for at least 10 minutes.

Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief. OBTAIN A MEDICAL EXAMINATION.

Do not use eyewash or ointment of any kind (before obtaining an examination or advice from an eye specialist).

Swallowing:

Induce vomiting. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety-data sheet.

A suspension of activated charcoal in water, or liquid paraffin may be administered.

Inhalation:

Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

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#### 5. FIRE-FIGHTING MEASURES

Recommended extinguishers:

CO2 or Dry chemical fire extinguisher.

Extinguishers not to be used:

None in particular.

Risks arising from combustion:

Avoid inhaling the fumes.

Protective equipment:

Use protection for the respiratory tract.

Cool the containers exposed to the fire with water.

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#### 6. ACCIDENTAL RELEASE MEASURES

Measures for personal safety:

Use a mask, gloves and protective clothing.

Environmental measures:

Limit leakages with earth or sand.

Eliminate all unguarded flames and possible sources of ignition. Do not smoke.

If the product has escaped into a water course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.

Cleaning methods:

Rapidly recover the product. To do so, wear a mask and protective clothing.

If the product is in a liquid form, stop it from entering the drainage system.

Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material.

After the product has been recovered, rinse the area and materials involved with water.

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#### 7. HANDLING AND STORAGE

Handling precautions:

Safety Data Sheet  
VIVA

Avoid contact and inhalation of the vapours. See, too, paragraph 8 below.

Do not eat or drink while working.

Do not smoke while working.

Incompatible materials:

None in particular.

Storage conditions:

Always keep the containers tightly closed.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Instructions as regards storage premises:

Cool and adequately ventilated.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Precautionary measures:

Give adequate ventilation to the premises where the product is stored and/or handled.

Respiratory protection:

Use adequate protective respiratory equipment, e.g. CEN/FFP-2(S) or CEN/FFP-3(S).

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Eye protection:

Use close fitting safety goggles and/or visor conforming to BS 2092 GRADE 1).

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Exposure limit(s) (ACGIH):

2-methoxy-1-methylethyl acetate

TLV TWA: 275 mg/m<sup>3</sup> - 100 ppm

xylene [4]

TLV TWA: 100 ppm, A4 - 434 mg/m<sup>3</sup>, A4      \n TLV STEL: 150 ppm, A4 - 651 mg/m<sup>3</sup>, A4

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2,6-dimethylheptan-4-one

TLV TWA: EE

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	liquid
Flash point:	+38 °C
Relative density:	1.3200

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## 10. STABILITY AND REACTIVITY

Conditions to avoid:

Stable under normal conditions.

Substances to avoid:

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products:

None.

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## 11. TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.  
The product does not contain toxicologically relevant substances.

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## 12. ECOLOGICAL INFORMATION

List of substances dangerous for the environment and corresponding classification:

1% - 3% Mixture of

a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and  
a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propio

N.67/548/CEE: 607-176-00-3 CAS: 104810-48-2 EINECS: 400-830-7

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

0.25% - 0.5% sebacato di bis(1,2,2,6,6-pentametil-4-piperidile)

CAS: 41556-26-7

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

0.1% - 0.25% sebacato di metile e 1,2,2,6,6-pentametil-4-piperidile

CAS: 82919-37-7

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Adopt good working practices, so that the product is not released into the environment.

Waste and disposal have to be controlled and evaluated according to their possible polluting power and to the local law.

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## 13. DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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## 14. TRANSPORT INFORMATION

UN number:

UN 1263

Road/rail (ADR/RID):

paint: trasporto in es. tot.secondo 2.2.3.1.5 ADR e 2.3.2.5 IMDG  
3, PG III

IMDG-Class:

(p)

Marine pollutant:

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## 15. REGULATORY INFORMATION

99/45/EC (Classification and Labelling), 2001/60/CE, 67/548/CEE, 2001/59/CE, 91/155/CEE, 2001/58/CE:

Symbols:

Xi Irritant

R Phrases:

R10 Flammable.

R36 Irritating to eyes.

R43 May cause sensitization by skin contact.

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

S Phrases:

S36/37 Wear suitable protective clothing and gloves.

S23 Do not breathe vapour

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S51 Use only in well-ventilated areas.  
S24/25 Avoid contact with skin and eyes.  
S2 Keep out of reach of children.

Contents:

A mixture of: a  
-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-x-hydroxypoly(oxyethylene); a  
-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl

Where applicable, refer to the following regulatory provisions :  
Presidential Decree D.P.R. 303/56 (Health checks).  
Law by Decree D.L. 626/94 (Health and safety for workers).

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## 16. OTHER INFORMATION

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities  
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold  
ACGIH - Threshold Limit Values - 1997 edition

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Text of R phrases referred to under heading 2:

R36 Irritating to eyes.  
R10 Flammable.  
R20/21 Harmful by inhalation and in contact with skin.  
R38 Irritating to skin.  
R37 Irritating to respiratory system.  
R43 May cause sensitization by skin contact.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Paragraphs modified from the previous revision:

2. COMPOSITION/INFORMATION ON INGREDIENTS  
4. FIRST AID MEASURES  
6. ACCIDENTAL RELEASE MEASURES  
8. EXPOSURE CONTROLS/PERSONAL PROTECTION  
9. PHYSICAL AND CHEMICAL PROPERTIES  
12. ECOLOGICAL INFORMATION  
14. TRANSPORT INFORMATION  
15. REGULATORY INFORMATION