



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

SAFETY DATA SHEET

Compliant with Annex II of REACH – Regulation (EU) 2015/830

REGAL RETOUCHING VARNISH

Revision n° 1
Revision date: 29/11/2019
Printed on: 11/11/2020
Page: 1/13

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

1.1. Product identifier

Name: **REGAL RETOUCHING VARNISH**
Product code : 60000093

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

Description/use: Retouching Varnish

1.3. Details of the supplier of the safety data sheet

Company C.T.S. S.r.l.
Via Piave, 20/22
36077 Altavilla Vicentina (VI)
Italy
+39 0444 349088 / +39 0444 349039

E-mail of the competent person,
responsible for the safety data sheet: sales.ctsitaly@ctseurope.com

1.4. Emergency telephone number

C.T.S. S.r.l.: +39 0444 349088 (Working hours)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS02, GHS07

Hazard Class and Category Code(s):

Flam. Liq. 3, Skin Sens. 1A, STOT SE 3, Aquatic Chronic 3

Hazard statement Code(s):

H226 - Flammable liquid and vapour.

H317 - May cause an allergic skin reaction.

H336 - May cause drowsiness or dizziness.

H412 - Harmful to aquatic life with long lasting effects.

The product is a liquid that ignites at temperatures above 21 °C if it exposed to an ignition source.

The product, if brought into contact with skin can cause skin sensitization.

Warning: Vapours inhalation may cause sleepiness and giddiness

The product is dangerous to the environment as it is harmful to aquatic life with long lasting effects

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS02 GHS07





C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

Hazard Code(s): Warning
H226 - Flammable liquid and vapour.
H317 - May cause an allergic skin reaction.
H336 - May cause drowsiness or dizziness.
H412 - Harmful to aquatic life with long lasting effects.

Supplemental Hazard statement Code(s):
not applicable

Precautionary statements:

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273 - Avoid release to the environment.

Response

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

Storage

P403+P235 - Store in a well-ventilated place. Keep cool.

Contains:

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Content of VOC ready to use condition: 74,50 %

**REGAL RETOUCHING
VARNISH**

Revision n° 1

Revision date: 29/11/2019

Printed on: 11/11/2020

Page: 2/13

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII No information on other hazards

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	> 50 <= 75%	Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336; Aquatic Chronic 3, H412			927-241-2	01-2119471 843-32-XXX X
2-Butoxyethanol	> 5 < 10%	Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Acute Tox. 4, H332	603-014-00-0	111-76-2	203-905-0	01-2119475 108-36-XXX X
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	> 0,1 <= 1%	Skin Sens. 1A, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410		1065336-91-5	915-687-0 304	01-2119491 40-XXX X



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240

Body Accredited by ACCREDIA



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

**REGAL RETOUCHING
VARNISH**

Revision n° 1
Revision date: 29/11/2019
Printed on: 11/11/2020
Page: 3/13

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

No data available.

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

If skin irritation or rash occurs: Get medical advice/attention.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

CO2 or dry powder extinguisher

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240



FILIALI:
VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.

Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

Do not smoke at work

At work do not eat or drink.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

Always store in well ventilated areas.

Never close the container tightly, leave a chance to vent.

Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

REGAL RETOUCHING VARNISH

Revision n° 1

Revision date: 29/11/2019

Printed on: 11/11/2020

Page: 4/13



C.T.S. S.R.L.

VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240

Body Accredited by ACCREDIA



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

7.3. Specific end use(s)

Formulation [mixing] of preparations and/or re-packaging:

Handle with care.

Store in a ventilated place away from heat sources.

Keep container tightly closed.

Industrial Manufacturing:

Handle with extreme caution.

Store in a well ventilated place away from heat sources.

Manufacture of textiles, leather, fur:

Handle with care.

Store in a ventilated place away from heat sources.

Keep container tightly closed.

REGAL RETOUCHING VARNISH

Revision n° 1

Revision date: 29/11/2019

Printed on: 11/11/2020

Page: 5/13

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

2-Butoxyethanol:

2-BUTOXYETHANOL TWA 98 mg/m³ 02 2006 EU Exposure Limit Values

TWA 20 ppm

STEL 246 mg/m³

STEL 50 ppm

- Substance: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics
DNEL

Systemic effects Long term Workers inhalation = 871 (mg/m³)

Systemic effects Long term Workers dermal = 77 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 185 (mg/m³)

Systemic effects Long term Consumers dermal = 46 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 46 (mg/kg bw/day)

- Substance: 2-Butoxyethanol

DNEL

Systemic effects Long term Workers inhalation = 98 (mg/m³)

Systemic effects Long term Workers dermal = 125 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 59 (mg/m³)

Systemic effects Long term Consumers dermal = 75 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 6,3 (mg/kg bw/day)

Systemic effects Short term Workers inhalation = 1091 (mg/m³)

Systemic effects Short term Workers dermal = 89 (mg/kg bw/day)

Systemic effects Short term Consumers inhalation = 426 (mg/m³)

Systemic effects Short term Consumers dermal = 89 (mg/kg bw/day)

Systemic effects Short term Consumers oral = 26,7 (mg/kg bw/day)

Local effects Short term Workers inhalation = 246 (mg/m³)

Local effects Short term Consumers inhalation = 147 (mg/m³)

PNEC

Sweet water = 8,8 (mg/l)

sediment Sweet water = 34,6 (mg/kg/sediment)

Sea water = 0,88 (mg/l)

sediment Sea water = 3,46 (mg/kg/sediment)

intermittent emissions = 9,1 (mg/l)

STP = 463 (mg/l)

ground = 2,33 (mg/kg ground)



C.T.S. S.R.L.

VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240

Body Accredited by ACCREDIA



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

**REGAL RETOUCHING
VARNISH**

Revision n° 1
Revision date: 29/11/2019
Printed on: 11/11/2020
Page: 6/13

*** Industrial Manufacturing [SU3] - Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact) [PROC5]:

Duration of exposure per day < 480 MIN
frequency of use 300 days/year

Technical conditions and measures to control dispersion from the source of workers: Clean the contamination/payments as they occur.

Conditions and measures related to personal protection, hygiene and health evaluation: Use appropriate protection for the eyes.

Avoid direct contact of the product with the eyes, even through contamination of the hands. Avoid direct skin contact with the product.

Identify potential areas for indirect contact with skin.

Wear suitable gloves (tested according to EN374) during tasks in which you can contact with your skin. Wash any contamination of the skin immediately.

Other operational conditions affecting workers in the work: Assumes the adoption of appropriate standards for hygiene.

*** Industrial Manufacturing [SU3] - Industrial spraying [PROC7]:

Duration of exposure per day < 480 MIN
frequency of use 300 days/year

Technical conditions and measures to control dispersion from the source of workers: Clean the contamination/payments as they occur.

Spray (automatic/robotic) minimize exposure by extracting with partial protection of the procedure or equipment and by checking out the openings.

General ventilation standards manual Spray adopt good or controlled ventilation (from 5 to 15 parts per hour).
Conditions and measures related to personal protection, hygiene and health evaluation: Avoid direct skin contact with the product.

Identify potential areas for indirect contact with skin.

Wear suitable gloves (tested according to EN374) during tasks in which you can contact with your skin. Wash any contamination of the skin immediately.

Additional skin protection measures such as clothing impemeabili and face protection may be needed during activities with large dispersion that lead to a probable release consisting of aerosols

Use appropriate protection for the eyes.

Avoid direct contact of the product with the eyes, even through contamination of the hands. Wear a respirator in accordance with EN140 with filter type A or better.

Other operational conditions affecting workers in the work: Assumes the adoption of appropriate standards for hygiene.

*** Industrial Manufacturing [SU3] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities [PROC8A]:

Duration of exposure per day < 480 MIN frequency of use 300 days/year

Technical conditions and measures to control dispersion from the source of workers: Clean the contamination/payments as they occur.

provide additional ventilation in places where there are emissions. Use barrel pumps or carefully pour from container.

Drain and sciacquare the system before opening or servicing. Adopt good general ventilation or controlled ventilation (from 5 to 15 parts per hour).

Conditions and measures related to personal protection, hygiene and health evaluation: Use appropriate protection for the eyes.

Avoid direct contact of the product with the eyes, even through contamination of the hands.

Avoid direct skin contact with the product.

Identify potential areas for indirect contact with skin.

Wear suitable gloves (tested according to EN374) during tasks in which you can contact with your skin. Wash any contamination of the skin immediately.

Other operational conditions affecting workers in the work: Assumes the adoption of appropriate standards for hygiene.

*** Industrial Manufacturing [SU3] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities [PROC8B]:

Duration of exposure per day < 480 MIN

frequency of use 300 days/year



C.T.S. S.R.L.

VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240

Body Accredited by ACCREDIA



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

**REGAL RETOUCHING
VARNISH**

Revision n° 1

Revision date: 29/11/2019

Printed on: 11/11/2020

Page: 7/13

Technical conditions and measures to control dispersion from the source of workers:

Clean the contamination/payments as they occur.

Manipulate the substances within a closed system.

provide additional ventilation in places where there are emissions. Leave the connection lines before proceeding to decoupling.

Use barrel pumps or carefully pour from container. Avoid spills during removal of the pump.

Conditions and measures related to personal protection, hygiene and health evaluation: Use appropriate protection for the eyes.

Avoid direct contact of the product with the eyes, even through contamination of the hands. Avoid direct skin contact with the product.

Identify potential areas for indirect contact with skin.

Wear suitable gloves (tested according to EN374) during tasks in which you can contact with your skin. Wash any contamination of the skin immediately.

Wash any contamination of the skin immediately.

Other operational conditions affecting workers in the work: Assumes the adoption of appropriate standards for hygiene.

*** Industrial Manufacturing [SU3] - Transfer of substance or preparation into small containers (dedicated filling line, including weighing) [PROC9]:

Duration of exposure per day < 480 MIN

frequency of use 300 days/year

Technical conditions and measures to control dispersion from the source of workers: Clean the contamination/payments as they occur.

Fill the containers/canning jars in points for this operation with a suction ventilation. Close with lid immediately after use.

Conditions and measures related to personal protection, hygiene and health evaluation: Use appropriate protection for the eyes.

Avoid direct contact of the product with the eyes, even through contamination of the hands. Avoid direct skin contact with the product.

Identify potential areas for indirect contact with skin.

Wear suitable gloves (tested according to EN374) during tasks in which you can contact with your skin. Wash any contamination of the skin immediately.

Wash any contamination of the skin immediately.

Other operational conditions affecting workers in the work: Assumes the adoption of appropriate standards for hygiene. - Substance: Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

DNEL

Systemic effects Long term Workers inhalation = 0,68 (mg/m³)

Systemic effects Long term Workers dermal = 0,5 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 0,17 (mg/m³)

Systemic effects Long term Consumers dermal = 0,25 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 0,05 (mg/kg bw/day)

PNEC

Sweet water = 0,002 (mg/l)

sediment Sweet water = 1,05 (mg/kg/sediment)

sediment Sea water = 0,11 (mg/kg/sediment)

intermittent emissions = 0,009 (mg/l)

STP = 1 (mg/l)

ground = 0,21 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:

Formulation [mixing] of preparations and/or re-packaging:

No specific checks planned

Industrial Manufacturing:





C.T.S. S.R.L.

VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240

Body Accredited by ACCREDIA



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

No specific monitoring foreseen

Manufacture of textiles, leather, fur:

No specific checks planned

Individual protection measures:

(a) Eye / face protection

Wear mask

(b) Skin protection

(i) Hand protection

When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other

When handling the pure product wear full protective skin clothing.

(c) Respiratory protection

Use adequate protective respiratory equipment (EN 14387:2008)

(d) Thermal hazards

No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

**REGAL RETOUCHING
VARNISH**

Revision n° 1

Revision date: 29/11/2019

Printed on: 11/11/2020

Page: 8/13

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	liquid	
Odour	characteristic	
Odour threshold	not determined	
pH (1:10)	irrelevant	
Melting point/freezing point	irrelevant	
Initial boiling point and boiling range	130 °C	
Flash point	29 °C	ASTM D92
Evaporation rate	irrelevant	
Flammability (solid, gas)	irrelevant	
Upper/lower flammability or explosive limits	not determined	
Vapour pressure	not determined	
Vapour density	not determined	
Relative density	0.9	
Solubility	not determined	
Water solubility	no	
Partition coefficient: n-octanol/water	not determined	
Auto-ignition temperature	not determined	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not explosive	
Oxidising properties	non-oxidizing	



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240

Body Accredited by ACCREDIA



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

9.2. Other information

Content of VOC ready to use condition: 74,50 %

REGAL RETOUCHING VARNISH

Revision n° 1

Revision date: 29/11/2019

Printed on: 11/11/2020

Page: 9/13

SECTION 10. Stability and reactivity

10.1. Reactivity

No reactivity hazards

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Avoid contact with combustible materials. The product could catch fire. heat, open flames, sparks or hot surfaces.

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, strong reducing agents.
It can generate toxic gases to contact with oxidants mineral acids, organic peroxides, organic water peroxides.
It can ignite in contact with oxidants mineral acids, organic nitrides, peroxides and water peroxides, strong oxidants agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 7.142,9 mg/kg

ATE(mix) dermal = 15.714,3 mg/kg

ATE(mix) inhal = 157,1 mg/l/4 h

- (a) acute toxicity: based on available data, the classification criteria are not met.
- (b) skin corrosion/irritation based on available data, the classification criteria are not met.
- (c) serious eye damage/irritation: based on available data, the classification criteria are not met.
- (d) respiratory or skin sensitization: The product, if brought into contact with skin can cause skin sensitization.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: Warning: Vapours inhalation may cause sleepiness and giddiness



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240

Body Accredited by ACCREDIA



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

**REGAL RETOUCHING
VARNISH**

Revision n° 1
Revision date: 29/11/2019
Printed on: 11/11/2020
Page: 10/13

(i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.

(j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

2-Butoxyethanol:

Acute oral toxicity LD50 rat: 470 mg/kg; literature

value LD50 rabbit: 300 mg/kg; literature value

Acute inhalation toxicity LC50 rat: 450 mg/l; ; 4 h; literature

value LCLo rat: 18,000 mg/m³; ; 7 h; literature value

Acute dermal toxicity LD50 rabbit: 220 mg/kg; literature value

SECTION 12. Ecological information

12.1. Toxicity

Related to contained

substances: 2-Butoxyethanol:

Ecotoxicity effects

Toxicity to fish LC50 *Poecilia reticulata*: 983 mg/l; 7 d; literature

value LC50 Bluegill sunfish: 1,490 mg/l; 96 h; literature value

LC50 *Pimephales promelas*: 2,137 mg/l; 96 h; literature value

Oncorhynchus mykiss (rainbow trout): > 1,000 mg/l; 96 h; literature

value Toxicity to daphnia and other aquatic invertebrates.

Daphnia magna: 1,720 mg/l; 24 h; literature value

The product is dangerous for the environment as it is toxic for aquatic organisms following acute exposure. Use according to good working practices to avoid pollution into the environment.

Environmental Release Categories:

Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-

piperidyl sebacate

2-Butoxyethanol

*** Industrial Manufacturing [SU3] - Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact) [PROC5]:

Formulation of preparations [ERC2]

*** Industrial Manufacturing [SU3] - Industrial spraying [PROC7]:

Industrial use of processing aids in processes and products, not becoming part of articles [ERC4]

*** Industrial Manufacturing [SU3] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities [PROC8A]:

Formulation of preparations [ERC2]

*** Industrial Manufacturing [SU3] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities [PROC8B]:

Formulation of preparations [ERC2]

*** Industrial Manufacturing [SU3] - Transfer of substance or preparation into small containers (dedicated filling line, including weighing) [PROC9]:

Formulation of preparations [ERC2]

*** Industrial Manufacturing [SU3] - Mixing or blending in batch processes for formulation of preparations* and articles (multistage and/or significant contact) [PROC5]:

Formulation of preparations [ERC2]

*** Industrial Manufacturing [SU3] - Industrial spraying [PROC7]:

Industrial use of processing aids in processes and products, not becoming part of articles [ERC4]

*** Industrial Manufacturing [SU3] - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities [PROC8A]:

Formulation of preparations [ERC2]

*** Industrial Manufacturing [SU3] - Transfer of substance or preparation (charging/discharging) from/to ves-



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240

Body Accredited by ACCREDIA



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

sels/large containers at dedicated facilities [PROC8B]:

Formulation of preparations [ERC2]

*** Industrial Manufacturing [SU3] - Transfer of substance or preparation into small containers (dedicated filling line, including weighing) [PROC9]:

Formulation of preparations [ERC2]

**REGAL RETOUCHING
VARNISH**

Revision n° 1

Revision date: 29/11/2019

Printed on: 11/11/2020

Page: 11/13

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Operate according to local or national regulations

SECTION 14. Transport information

14.1. UN number

ADR/RID/IMDG/ICAO-IATA: 1263

If subject to the following characteristics is ADR exempt: Combination

packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



14.2. UN proper shipping name

ADR/RID/IMDG: PITTURE o MATERIE SIMILI ALLA PITTURE

ADR/RID/IMDG: PAINT or PAINT RELATED MATERIAL

ICAO-IATA: PAINT or PAINT RELATED MATERIAL



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class : 3
ADR/RID/IMDG/ICAO-IATA: Label : 3
ADR: Tunnel restriction code : D/E
ADR/RID/IMDG/ICAO-IATA: Limited quantities : 5 L
IMDG - EmS : F-E, S-E

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous
IMDG: Marine polluting agent : Not

14.6. Special precautions for user

The transport must be carried out by authorised vehicles carrying dangerous goods in accordance with the requirements of the current edition of the agreement and the provisions A.D.R national regulations.
The transport must be carried out in the original packaging and in packages that are made from materials resistant to the content and not likely to generate with this dangerous reactions. Employees to the loading and unloading of dangerous goods have received proper training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

REGAL RETOUCHING VARNISH

Revision n° 1
Revision date: 29/11/2019
Printed on: 11/11/2020
Page: 12/13

SECTION 15. Regulatory information

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

Seveso category:
P5c - FLAMMABLE LIQUIDS REGULATION
(EU) No 1357/2014 - waste:
HP5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier



C.T.S. S.R.L.
VIA PIAVE, 20/22 - 36077 **ALTAVILLA VICENTINA (VI)**
TEL. +39 0444 349088 (4 linee r.a.) - FAX +39 0444 349039
www.ctseurope.com - E-mail: cts.italia@ctseurope.com - P.I. e C.F. IT02443840240

Body Accredited by ACCREDIA



FILIALI:

VIA A. F. STELLA, 5 - 20125 **MILANO** - TEL. 02 67493225 (2 linee r.a.) - FAX 02 67493233
VIA L. GORDIGIANI, 54 int. A1-A2 - 50127 **FIRENZE** - TEL. 055 3245014 (2 linee r.a.) - FAX 055 3245078
VIA G. FANTOLI, 26 - 00149 **ROMA** - TEL. 06 55301779 (2 linee r.a.) - FAX 06 5592891
VIA DELLE PUGLIE, 228 int. 4 - 80143 **NAPOLI** - TEL. 081 7592971 - FAX 081 7593118

**REGAL RETOUCHING
VARNISH**

Revision n° 1
Revision date: 29/11/2019
Printed on: 11/11/2020
Page: 13/13

SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

- H226 = Flammable liquid and vapour.
 - H304 = May be fatal if swallowed and enters airways.
 - H336 = May cause drowsiness or dizziness.
 - H412 = Harmful to aquatic life with long lasting effects.
 - H302 = Harmful if swallowed.
 - H312 = Harmful in contact with skin.
 - H315 = Causes skin irritation.
 - H319 = Causes serious eye irritation.
 - H332 = Harmful if inhaled.
 - H317 = May cause an allergic skin reaction.
 - H400 = Very toxic to aquatic life.
 - H410 = Very toxic to aquatic life with long lasting effects.
- Classification based on data of all mixture components

GENERAL BIBLIOGRAPHY

- Regulation (EC) 1907/2006 (REACH) of the European Parliament
- Regulation (EC) 1272/2008 (CLP) of the European Parliament
- Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- Regulation (EU) 2015/830 of the European Parliament
- Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- Regulation (EU) 2016/1179 (IX Atp. CLP)
- Regulation (EU) 2017/776 (X Atp. CLP)
- Regulation (EU) 2018/669 (XI Atp. CLP)
- Regulation (EU) 2018/1480 (XIII Atp. CLP)
- Regulation (EU) 2019/521 (XII Atp. CLP)
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

Information contained in this data sheet is based on our state of knowledge and on laboratory testing at the above-specified date. The User should determine, by preliminary tests, the suitability of the product for his intended purpose, and should observe the laws and regulations regarding health and safety.

C.T.S. S.r.l. guarantees the constant quality of the product but is not accountable for any damages caused by the incorrect use of a material. The product is intended **for professional use only**.