

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: BODY AUTOCLEAR 492 3:1 HS CLEAR COAT SCRATCH RESISTANT

Article number: 154

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Sector of Use**

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

**Product category PC9a** Coatings and paints, thinners, paint removers**Process category**

PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

**Environmental release category ERC2** Formulation of preparations**Article category AC1** Vehicles**Application of the substance / the preparation**

Clear coating material, Varnish

Surface protection

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

H.B. BODY S.A

B' ENTRANCE BLOCK 50 DA9 &amp; MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI,GREECE

Ph: +30 2310 790 000

Fax: +30 2310 790 033

www.hbbody.com

email: hbbody@hbbody.com

**Further information obtainable from:**

H.B. BODY S.A

B' ENTRANCE BLOCK 50 DA9 &amp; MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI,GREECE

Ph: +30 2310 790 000

Fax: +30 2310 790 033

www.hbbody.com

email: hbbody@hbbody.com

**1.4 Emergency telephone number: +30 2310 790 000****SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

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



Xn; Harmful

R20/21: Harmful by inhalation and in contact with skin.

R10-52/53: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to the latest editions of the EU-lists adapting Directive 67/548/EEC on the classification, packaging and labelling of dangerous substances and extended by company and literature data.

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## Trade name: BODY AUTOCLEAR 492 3:1 HS CLEAR COAT SCRATCH RESISTANT

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## 2.2 Label elements

## Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

## Code letter and hazard designation of product:



Xn Harmful

## Risk phrases:

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

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.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

25 Avoid contact with eyes.

29 Do not empty into drains.

36/37 Wear suitable protective clothing and gloves.

43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

51 Use only in well-ventilated areas.

60 This material and its container must be disposed of as hazardous waste.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

## Special labelling of certain preparations:

Contains mix of: a-3-(3-(2H-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionyl-o-hydroxypoly(oxyethylene); a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-o-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene), bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

## 2.3 Other hazards

## Results of PBT and vPvB assessment

This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT). This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).

PBT: Not applicable.

vPvB: Not applicable.

## SECTION 3: Composition/information on ingredients

## 3.2 Chemical characterization: Mixtures

Description: Mixture of hazardous substances

## Dangerous components:

CAS: 123-86-4	n-butyl acetate	30 - <35%
EINECS: 204-658-1	R10-66-67	
Index number: 607-025-00-1	⚠ Flam. Liq. 3, H226	
RTECS: AF 7350000	⚠ STOT SE 3, H336	
Reg.nr.: 01-2119485493-29-007		
01-2119485493-29-004		
01-2119485493-29-003		
01-2119485493-29-005		
01-2119485493-29		

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CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 RTECS: ZE 2100000 Reg.nr.: 01-2119488216-32-001 01-2119488216-32-002 01-2119488216-32-003	xylene Xn R20/21 Xi R38 R10 Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	10 - <15%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-0001 01-2119475791-29	2-methoxy-1-methylethyl acetate R10 Flam. Liq. 3, H226	5 - <10%
CAS: 112-07-2 EINECS: 203-933-3 Index number: 607-038-00-2 RTECS: KJ 8925000 Reg.nr.: 01-2119475112-47-0002	2-butoxyethyl acetate Xn R20/21 Acute Tox. 4, H312; Acute Tox. 4, H332	5 - <10%
ELINCS: 400-830-7	mix of: a-3-(3-(2H-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionyl-o-hydroxypoly(oxyethylene); a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-o-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) Xi R43 N R51/53 Aquatic Chronic 2, H411 Skin Sens. 1, H317	< 2.5%
CAS: 41556-26-7 EINECS: 255-437-1	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate Xi R43 N R50/53 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317	< 2.5%
CAS: 82919-37-7 EINECS: 280-060-4	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Xi R43 N R50/53 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317	< 2.5%

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

#### After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

It is highly recommended to avoid the inhalation of vapor, mist or dust. In any case of accidental inhalation of vapors move to open fresh air. In any case of irregular breathing administer first aid and artificial respiration. If symptoms persist seek medical physician at once.

#### After skin contact:

In case of skin contact DO NOT clean effected area with solvents or thinners. Take off all contaminated clothing at once. Wash skin thoroughly with neutral pH soap and water. In any suspicion that skin irritation persists call a doctor.

**After eye contact:** Rinse opened eye for several minutes under running water.

**After swallowing:** If symptoms persist consult doctor.

### 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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

If the person is unconscious place in recovery position and wait for medical help. Always keep the person at the rest position. If person is conscious necessary oxygen respiration treatment.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing agents:

General aqueous film forming foam, Carbon dioxide (CO<sub>2</sub>), dry chemical extinguishing powder or water spray. Do not use water.

For safety reasons unsuitable extinguishing agents: Water with full jet

### 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

#### Hazarous combustion products

Fire will produce a dense black smoke containing hazardous decomposition by products. Exposure to those may be a hazard to health.

#### Hazarous decomposition products

When exposed to high temperature or in direct contact with fire it may produce hazarous decomposition products such as Carbon Monoxide, Carbon Dioxide, black dense smoke and derivatives of nitrogen oxides

### 5.3 Advice for firefighters

Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products

### 5.6 Fire and explosion Hazards

This product is a flammable liquid. When exposed to high heat vapours may form explosive mixtures with air. All sources of ignition need to be removed. Solvent vapours are heavier than air and may spread along the floor.

#### Speial protective equipment and fire fighting procedures:

Mouth respiratory protective device.

Firefighters should wear full protective flameproof clothing and self contained breathing apparatus for the firefighter if necessary. In the event of any fire try cool down the tanks with water spray. If possible do not allow the water used by firefighters to enter the drains or come in any contact with the water supply lines for the public. Always seek as appropriate.

**Additional information** Collect contaminated fire fighting water separately. It must not enter the sewage system.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources.

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

### 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

### 6.3 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.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

### 6.4 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

### 7.1 Precautions for safe handling

Persons with a history of skin sensitisation problems or asthma allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

#### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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## 7.2 Conditions for safe storage, including any incompatibilities

### Storage:

**Requirements to be met by storerooms and receptacles:** No special requirements.

### Information about storage in one common storage facility:

As general storage guide: store separately from oxidizing agents and strongly alkaline and strongly acidic materials. Do not store together with explosives, gases, oxidizing solids, products which form flammable gases in contact with water, oxidizing products, infectious products and radioactive products.

**Further information about storage conditions:** Keep container tightly sealed.

## 7.3 Specific end use(s) No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**Additional information about design of technical facilities:** No further data; see item 7.

### 8.1 Control parameters

#### Ingredients with limit values that require monitoring at the workplace:

123-86-4 n-butyl acetate	
WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
1330-20-7 xylene	
WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
108-65-6 2-methoxy-1-methylethyl acetate	
WEL	Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm Sk
112-07-2 2-butoxyethyl acetate	
WEL	Short-term value: 332 mg/m <sup>3</sup> , 50 ppm Long-term value: 133 mg/m <sup>3</sup> , 20 ppm Sk

#### DNELs

CAS No:	Substance	End Use	Routes of exposure	Frequency	Type	Value
123-86-4	Butyl Acetate	Workers	Inhalation		Long Term	Systemic Effect 100mg/kg

#### Ingredients with biological limit values:

1330-20-7 xylene	
BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

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

### 8.2 Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

#### Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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**Protection of hands:**

Protective 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**

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.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

The breakthrough time of gloves is unknown for this product itself. The glove material that can be used is recommended on the basis of the different substances in the preparation.

For the permanent contact gloves made of the following materials are suitable:

Fluorocarbon rubber (Viton)

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Rubber gloves

**Eye protection:**

Tightly sealed goggles

**Body protection:** Protective work clothing

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:**

Fluid

**Colour:**

According to product specification

**Odour:**

Characteristic

**Odour threshold:**

Not determined.

**pH-value:**

Not determined.

**Change in condition****Melting point/Melting range:**

Undetermined.

**Boiling point/Boiling range:**

124 °C

**Flash point:**

21 - 55 °C

**Flammability (solid, gaseous):**

Not applicable.

**Autoignition temperature:**

280 °C

**Decomposition temperature:**

Not determined.

**Self-igniting:**

Product is not selfigniting.

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<b>Danger of explosion:</b>	<b>Risk of explosion by shock, friction, fire or other sources of ignition.</b>
<b>Explosion limits:</b>	
Lower:	1.1 Vol %
Upper:	7.5 Vol %
<b>Vapour pressure at 20 °C:</b>	10.7 hPa
<b>Density at 20 °C:</b>	1.143 g/cm <sup>3</sup>
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
<b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
<b>Solvent content:</b>	
Organic solvents:	55.9 %
VOC (EC)	680 g/l 639.0 g/l
<b>Solids content (volume):</b>	44.1 %
<b>9.2 Other information</b>	No further relevant information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity****10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values relevant for classification:****123-86-4 n-butyl acetate**

Oral	LD50	13100 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21.0 mg/l (rat)

**1330-20-7 xylene**

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

**108-65-6 2-methoxy-1-methylethyl acetate**

Oral	LD50	8532 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

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112-07-2 2-butoxyethyl acetate

Oral	LD50	2400 mg/kg (rat)
Dermal	LD50	1580 mg/kg (rabbit)

**Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful

## SECTION 12: Ecological information

### 12.1 Toxicity

**Aquatic toxicity:**

This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea

### 12.2 Persistence and degradability

Heavily biodegradable

This product contains polyestheric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away

**Other information:** The product is difficultly biodegradable.

### 12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

This product is not known to have bioaccumulative potentials. It should not be disposed in areas where living organisms could consume. Dispose it as a hazardous material according to local laws and regulations

### 12.4 Mobility in soil

This product is not considered to present any mobility in soil. Do not dispose it in the soil and treat it as a hazardous product according to local laws and legislations.

**Ecotoxicological effects:**

**Remark:** Harmful to fish

**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.

Harmful to aquatic organisms

### 12.5 Results of PBT and vPvB assessment

**PBT:** This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).

**vPvB:** This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).

### 12.6 Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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

**Uncleaned packaging:**

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

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**SECTION 14: Transport information****14.1 UN-Number**

ADR, IMDG, IATA

UN1263

**14.2 UN proper shipping name**

ADR

1263 PAINT, special provision 640E

IMDG, IATA

PAINT

**14.3 Transport hazard class(es)**

ADR

Class  
Label3 (F1) Flammable liquids.  
3

IMDG, IATA

Class  
Label3 Flammable liquids.  
3**14.4 Packing group**

ADR, IMDG, IATA

III

**14.5 Environmental hazards:**

Marine pollutant:

No

**14.6 Special precautions for user**

Warning: Flammable liquids.

Danger code (Kemler):

30

EMS Number:

F-E,S-E**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**Transport/Additional information:**

ADR

Limited quantities (LQ)

5L

Transport category

3

Tunnel restriction code

D/E

UN "Model Regulation":

UN1263, PAINT, special provision 640E, 3, III

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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Trade name: **BODY AUTOCLEAR 492 3:1 HS CLEAR COAT SCRATCH RESISTANT**

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Code letter and hazard designation of product:



Xn Harmful

**Risk phrases:**

10 Flammable.

20/21 Harmful by inhalation and in contact with skin.

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.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

25 Avoid contact with eyes.

29 Do not empty into drains.

36/37 Wear suitable protective clothing and gloves.

43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

51 Use only in well-ventilated areas.

60 This material and its container must be disposed of as hazardous waste.

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**Special labelling of certain preparations:**

Contains mix of: a-3-(3-(2H-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionyl-o-hydroxypoly(oxyethylene); a-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-o-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene), bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

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

### Relevant phrases

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

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.

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

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

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

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

**Department issuing MSDS:** Department of Quality Control

**Contact:**

H.B BODY S.A

Ms Olympia Stamkou

Ph: +30 2310 790 032

fax: +30 2310 790 033

email: stamkou@hbbody.com

### Abbreviations and acronyms:

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

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ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport 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 (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

**\* Data compared to the previous version altered.**

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Trade name: **BODY AUTOCLEAR 492 3:1 HS CLEAR COAT SCRATCH RESISTANT**

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## Annex: Exposure scenario 1

### Short title of the exposure scenario

**General Statement:** The exposure scenarios on the MSDS tend to provide specific information on how a hazardous substance, found in a preparation or as a raw material can be managed and controlled. It considers specific conditions of use in order to ensure that a use can be safe to humans and the environment. Identified risk management measures are to be implemented unless the downstream user is able to ensure a safe handling of the material in a different way.

#### Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

**Product category PC9a** Coatings and paints, thinners, paint removers

#### Process category

PROC9 Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

**Article category AC1** Vehicles

**Environmental release category ERC2** Formulation of preparations

### Description of the activities / processes covered in the Exposure Scenario

See section 1 of the annex to the Safety Data Sheet.

**Conditions of use** According to directions for use.

#### Duration and frequency

5 workdays/week.

Frequency of use:

### Physical parameters

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

**Physical state** Fluid

**Concentration of the substance in the mixture** The substance is main component.

**Used amount per time or activity** According to directions for use.

### Other operational conditions

**Other operational conditions affecting environmental exposure** Use only on hard ground.

**Other operational conditions affecting worker exposure**

Avoid contact with the skin.

Do not breathe gas/vapour/aerosol.

**Other operational conditions affecting consumer exposure** No special measures required.

**Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

### Risk management measures

#### Worker protection

##### Organisational protective measures

No special measures required.

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

##### Technical protective measures

Use product only in enclosed systems.

Ensure that suitable extractors are available on processing machines

##### Personal protective measures

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

##### Protective 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

### Measures for consumer protection

Ensure adequate labelling.

Observe consumer information and advice on safe use.

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Trade name: **BODY AUTOCLEAR 492 3:1 HS CLEAR COAT SCRATCH RESISTANT**

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### Environmental protection measures

#### Water

Do not allow to reach sewage system.

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

#### Soil

Prevent contamination of soil.

The product is only processed over the concrete collecting basin.

**Disposal measures** Ensure that waste is collected and contained.

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

**Waste type** Partially emptied and uncleaned packaging

### Exposure estimation

#### Consumer

Not relevant for this Exposure Scenario.

This product is to be used by professional technicians only.

### Guidance for downstream users

No further relevant information available.

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.

GB

(Contd. on page 14)

Trade name: **BODY AUTOCLEAR 492 3:1 HS CLEAR COAT SCRATCH RESISTANT**

(Contd. of page 13)

## Annex: Exposure scenario 2

### Short title of the exposure scenario

**General Statement:** The exposure scenarios on the MSDS tend to provide specific information on how a hazardous substance, found in a preparation or as a raw material can be managed and controlled. It considers specific conditions of use in order to ensure that a use can be safe to humans and the environment. Identified risk management measures are to be implemented unless the downstream user is able to ensure a safe handling of the material in a different way.

### Description of the activities / processes covered in the Exposure Scenario

See section 1 of the annex to the Safety Data Sheet.

**Conditions of use** According to directions for use.

**Duration and frequency** Frequency of use:

### Physical parameters

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

**Physical state** Fluid

**Concentration of the substance in the mixture** Raw material.

### Other operational conditions

**Other operational conditions affecting environmental exposure** No special measures required.

**Other operational conditions affecting consumer exposure** Keep out of the reach of children.

**Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

### Risk management measures

#### Worker protection

##### Organisational protective measures

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

**Technical protective measures** No special measures required.

##### Personal protective measures

Do not inhale gases / fumes / aerosols.

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

#### Measures for consumer protection

Ensure adequate labelling.

Keep locked up and out of the reach of children.

Observe consumer information and advice on safe use.

#### Environmental protection measures

##### Water

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

**Soil** The product is only processed over the concrete collecting basin.

**Disposal measures** Ensure that waste is collected and contained.

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

**Waste type** Partially emptied and uncleaned packaging

### Exposure estimation

**Consumer** This product is to be used by professional technicians only.

### Guidance for downstream users

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.

GB

(Contd. on page 15)

Trade name: BODY AUTOCLEAR 492 3:1 HS CLEAR COAT SCRATCH RESISTANT

(Contd. of page 14)

### Annex: Exposure scenario 3

#### Short title of the exposure scenario

**General Statement:** The exposure scenarios on the MSDS tend to provide specific information on how a hazardous substance, found in a preparation or as a raw material can be managed and controlled. It considers specific conditions of use in order to ensure that a use can be safe to humans and the environment. Identified risk management measures are to be implemented unless the downstream user is able to ensure a safe handling of the material in a different way.

#### Description of the activities / processes covered in the Exposure Scenario

See section 1 of the annex to the Safety Data Sheet.

**Conditions of use** According to directions for use.

**Duration and frequency** Frequency of use:

#### Physical parameters

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

**Physical state** Fluid

**Concentration of the substance in the mixture** Raw material.

#### Other operational conditions

**Other operational conditions affecting environmental exposure** No special measures required.

**Other operational conditions affecting worker exposure**

Avoid contact with the skin.

Do not breathe gas/vapour/aerosol.

**Other operational conditions affecting consumer exposure** Keep out of the reach of children.

**Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

#### Risk management measures

##### Worker protection

##### Organisational protective measures

Ensure good ventilation. This can be achieved by using a local exhaust or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

**Technical protective measures** Ensure that suitable extractors are available on processing machines

##### Personal protective measures

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protective 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

##### Measures for consumer protection

Ensure adequate labelling.

Keep locked up and out of the reach of children.

Observe consumer information and advice on safe use.

##### Environmental protection measures

##### Water

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

**Soil** The product is only processed over the concrete collecting basin.

**Disposal measures** Ensure that waste is collected and contained.

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

**Waste type** Partially emptied and uncleaned packaging

#### Exposure estimation

**Consumer** This product is to be used by professional technicians only.

#### Guidance for downstream users

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.



Trade name: BODY AUTOCLEAR 492 3:1 HS CLEAR COAT SCRATCH RESISTANT

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## Annex: Exposure scenario 4

### Short title of the exposure scenario

**General Statement:** The exposure scenarios on the MSDS tend to provide specific information on how a hazardous substance, found in a preparation or as a raw material can be managed and controlled. It considers specific conditions of use in order to ensure that a use can be safe to humans and the environment. Identified risk management measures are to be implemented unless the downstream user is able to ensure a safe handling of the material in a different way.

### Description of the activities / processes covered in the Exposure Scenario

See section 1 of the annex to the Safety Data Sheet.

**Conditions of use** According to directions for use.

**Duration and frequency** Frequency of use:

### Physical parameters

The data on the physical - chemical properties in the Exposure Scenario is based on the properties of the preparation.

**Physical state** Fluid

**Concentration of the substance in the mixture** Raw material.

### Other operational conditions

**Other operational conditions affecting environmental exposure** No special measures required.

**Other operational conditions affecting consumer exposure** Keep out of the reach of children.

**Other operational conditions affecting consumer exposure during the use of the product** Not applicable.

### Risk management measures

#### Worker protection

##### Organisational protective measures

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

**Technical protective measures** No special measures required.

**Personal protective measures** Do not inhale gases / fumes / aerosols.

#### Measures for consumer protection

Ensure adequate labelling.

Keep locked up and out of the reach of children.

Observe consumer information and advice on safe use.

#### Environmental protection measures

##### Water

Do not allow to reach sewage system. Dispose of this product and its container at hazardous or special waste collection point.

**Soil** The product is only processed over the concrete collecting basin.

**Disposal measures** Ensure that waste is collected and contained.

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

**Waste type** Partially emptied and uncleaned packaging

### Exposure estimation

**Consumer** This product is to be used by professional technicians only.

### Guidance for downstream users

Whether the downstream user acts within the scope of the Exposure Scenario can be verified based on the information in sections 1 to 8.