

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: BODY 705 HARDENER

Article number: 354

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

SU0 Other

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

**Product category PC9b** Fillers, putties, plasters, modelling clay**Process category**

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

**Environmental release category**

ERC6d Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers

ERC2 Formulation of preparations

**Article category AC1** Vehicles**Application of the substance / the mixture**

Hardening agent/ Curing agent

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:**

SYDNEY AUTOMOTIVE PAINTS AND EQUIPMENT PTY LTD

UNIT A4/366 EDGAR STREET

CONDELL PARK 2200 NSW

Ph: 02 9772 9000

Fax: 02 9772 9001

www.sape.com.au

Email: reception@sape.com.au

**1.4 Emergency telephone number:**

Regional Medicines and Poisons Information Centre NI

Pharmacy Department, Royal Hospital Suite

Grosvenor Road Belfast

Telephone: +44 28 90 63 2032

Fax: +44 28 90 24 80 30

Emergency telephone: 844 892 0111

E-mail address: nirdic.nirdic@belfasttrust.hscni.net

Trade name: BODY 705 HARDENER

(Contd. of page 1)

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Self-react. CD H242 Heating may cause a fire.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS02



GHS07



GHS09

Signal word **Danger****Hazard-determining components of labelling:**

dibenzoyl peroxide

**Hazard statements**

H242 Heating may cause a fire.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

**Precautionary statements**

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

P220 Keep/Store away from clothing/combustible materials.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P411 Store at temperatures not exceeding 50°C.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.2 Chemical characterisation: Mixtures**


Description: Mixture of hazardous substances

(Contd. on page 3)

Trade name: **BODY 705 HARDENER**

(Contd. of page 2)

**Dangerous components:**

CAS: 94-36-0 EINECS: 202-327-6 Index number: 617-008-00-0 RTECS: DM 8575000 Reg.nr.: 01-21195114272-50-xxx	dibenzoyl peroxide	 <b>Org. Perox. B, H241</b> <b>Eye Irrit. 2, H319; Skin Sens. 1, H317</b>	45 - <50%
--	--------------------	--	-----------

**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:**

Immediately remove any clothing soiled by the product.

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 and to be sure call for a doctor.

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

**After skin contact:**

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses in case of eye contamination and irrigate copiously with clean water for at least 15 minutes trying to hold the eye lids open.

**After swallowing:**

Induce vomiting and call for medical help.

Do not induce vomiting; consult a doctor immediately

**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**

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**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:

In case of fire, the following can be released:

Carbonic anhydride

Carbon Monoxide

Benzoic acid

Benzene

Biphenyl

Phenyl benzoate

Under certain fire conditions, traces of other toxic gases cannot be excluded.

**5.3 Advice for firefighters**

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

**Special protective equipment and fire fighting procedures:**

Wear fully protective suit.

Wear suitable fire protection equipment

**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**

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Use respiratory protective device against the effects of fumes/dust/aerosol.

(Contd. on page 4)

Trade name: **BODY 705 HARDENER**

(Contd. of page 3)

### 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.  
Pick up immediately

### 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

Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.

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

Substance/product is oxidising when dry.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Prevent impact and friction.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Only store in heated receptacles.  
Store in a cool location.

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

Do not store together with reducing agents, heavy metal compounds, acids and alkalis.

#### Further information about storage conditions:

Store receptacle in a well ventilated area.  
Keep container tightly sealed.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

### 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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**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.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
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.

(Contd. on page 5)

Trade name: **BODY 705 HARDENER**

(Contd. of page 4)

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

**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:**

283 °C

**Flash point:**

Not applicable.

**Flammability (solid, gaseous):**

Not applicable.

**Autoignition temperature:**

555 °C

**Decomposition temperature:**

Not determined.

**Self-igniting:**

Product is not selfigniting.

**Danger of explosion:**

Product does not present an explosion hazard.

Risk of explosion by shock, friction, fire or other sources of ignition.

Extreme risk of explosion by shock, friction, fire or other sources of ignition.

**Explosion limits:****Lower:**

Not determined.

(Contd. on page 6)

Trade name: BODY 705 HARDENER

(Contd. of page 5)

<b>Upper:</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	1 hPa
<b>Density at 20 °C:</b>	1.1 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Evaporation rate</b>	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>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>VOC (EC)</b>	-
<b>Solids content (volume):</b>	70.0 %
<b>9.2 Other information</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

### 10.2 Chemical stability

**Thermal decomposition / conditions to be avoided:**

Visible decomposition with spontaneous ignition on heating.

Exothermic thermal decomposition.

Visible decomposition with spontaneous ignition on heating.

### 10.3 Possibility of hazardous reactions

Reacts with heavy metals.

Reacts with alkali, amines and strong acids.

Reacts with reducing agents.

### 10.4 Conditions to avoid

No further relevant information available.

**10.5 Incompatible materials:** Reducing agents like amines, acids, alkali, compounds based on heavy metals(i.e accelerators)

### 10.6 Hazardous decomposition products:

Phenol

Carbon dioxide

Benzene

Benzoic acid

Biphenyl

Phenyl benzoate

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### LD/LC50 values relevant for classification:

Dermal	LD50	33.3 mg/kg (rabbit)
131-11-3 dimethyl phthalate		
Oral	LD50	6800 mg/kg (rat)
Dermal	LD50	>10 mg/kg (rabbit)
471-34-1 calcium carbonate		
Oral	LD50	6450 mg/kg (rat)

(Contd. on page 7)

Trade name: BODY 705 HARDENER

(Contd. of page 6)

**Primary irritant effect:****Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**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**

This product contains polyesteric 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

**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** Very toxic for fish**Additional ecological information:****General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Very toxic for aquatic organisms

Water hazard class 1 (German Regulation) (2): hazardous for water

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

ADR, IMDG, IATA

UN3243

**14.2 UN proper shipping name**

ADR

3243 SOLIDS CONTAINING TOXIC LIQUID, N.O.S., ENVIRONMENTALLY HAZARDOUS

(Contd. on page 8)

Trade name: BODY 705 HARDENER

(Contd. of page 7)

IMDG

SOLIDS CONTAINING TOXIC LIQUID, N.O.S. (dibenzoyl peroxide), MARINE POLLUTANT

IATA

SOLIDS CONTAINING TOXIC LIQUID, N.O.S.

## 14.3 Transport hazard class(es)

ADR

Class  
Label6.1 (T9) Toxic substances.  
6.1

IMDG

Class  
Label6.1 Toxic substances.  
6.1

IATA

Class  
Label6.1 Toxic substances.  
6.1

## 14.4 Packing group

III

ADR, IMDG, IATA

II

## 14.5 Environmental hazards:

Marine pollutant:

Yes

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

## 14.6 Special precautions for user

Warning: Toxic substances.

Danger code (Kemler):

60

EMS Number:

F-A,S-A

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

## Transport/Additional information:

ADR

Limited quantities (LQ)  
Excepted quantities (EQ)

500 g

Code: E4

Maximum net quantity per inner packaging: 1 ml  
Maximum net quantity per outer packaging: 500 mlTransport category  
Tunnel restriction code

2

D/E

IMDG

Limited quantities (LQ)

500 g

(Contd. on page 9)



Trade name: **BODY 705 HARDENER**

(Contd. of page 8)

**Exempted quantities (EQ)**

Code: E4

Maximum net quantity per inner packaging: 1 ml

Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":

UN 3243 SOLIDS CONTAINING TOXIC LIQUID, N.O.S., 6.1, II,  
ENVIRONMENTALLY HAZARDOUS**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category

P6b SELF-REACTIVE SUBSTANCES AND MIXTURES and ORGANIC PEROXIDES

E1 Hazardous to the Aquatic Environment

Qualifying quantity (tonnes) for the application of lower-tier requirements 50 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t

**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**

H241 Heating may cause a fire or explosion.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

**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)

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

ICAO: International Civil Aviation Organisation

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

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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Self-react. CD: Self-Reactive Substances and Mixtures, Types C, D

Org. Perox. B: Organic Peroxides, Type B

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

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

GB

(Contd. on page 10)

Trade name: BODY 705 HARDENER

(Contd. of page 9)

**Annex: Exposure scenario****Short title of the exposure scenario****Sector of Use**

SU0 Other

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

**Product category** PC9b Fillers, putties, plasters, modelling clay**Process category**

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

**Article category** AC1 Vehicles**Environmental release category**

ERC6d Industrial use of process regulators for polymerisation processes in production of resins, rubbers, polymers

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** 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.**Other operational conditions****Other operational conditions affecting environmental exposure**

No special measures required.

Use only on hard ground.

**Other operational conditions affecting worker exposure**

Avoid contact with eyes.

Avoid contact with the skin.

Avoid long-term or repeated skin contact.

Keep away from combustible material.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

**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**

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**

Ensure that suitable extractors are available on processing machines

Provide explosion-proof electrical equipment.

Use product only in enclosed systems.

**Personal protective measures**

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes.

Tightly sealed goggles

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.

(Contd. on page 11)

**Trade name: BODY 705 HARDENER**

(Contd. of page 10)

**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.

Do not allow to reach sewage system.

**Soil**

The product is only processed over the concrete collecting basin.

Prevent contamination of soil.

**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.