

1 Identification

· Product identifier

· Trade name: **BASECOAT PAINT**

· Other means of identification

· Article number: B53

· Application of the substance / the mixture Surface protection

· Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

H.B. BODY S.A

B' ENTRANCE BLOCK 50 DA9 & MB6 Str

THESSALONIKI INDUSTRIAL AREA

57.022, SINDOS

THESSALONIKI,GREECE

Ph: +30 2310 790 000

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· Information department:

HB BODY S.A.

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2 Hazard identification

· Classification of the substance or mixture



GHS02 Flame

Flammable liquids – Category 3

H226 Flammable liquid and vapour.

Substances and mixtures which, in contact with water, emit flammable gases – Category 2
flammable gases – Category 2



GHS08 Health hazard

Carcinogenicity – Category 2

H351 Suspected of causing cancer.



GHS07

Skin Irritation - Category 2

H315 Causes skin irritation.

Specific target organ toxicity (single exposure) – Category 3
H336 May cause drowsiness or dizziness.

Trade name: BASECOAT PAINT

(Contd. of page 1)

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

Label elements

- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



GHS02 GHS07 GHS08

- Signal word Danger
- Hazard-determining components of labeling:
 - n-butyl ester
 - ethylbenzene
 - Solvent naphtha (petroleum), light arom.
- Hazard statements
 - H226 Flammable liquid and vapour.
 - H261 In contact with water releases flammable gas.
 - H315 Causes skin irritation.
 - H351 Suspected of causing cancer.
 - H336 May cause drowsiness or dizziness.
 - H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
 - P201 Obtain special instructions before use.
 - P202 Do not handle until all safety precautions have been read and understood.
 - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - P223 Do not allow contact with water.
 - P231+P232 Handle and store contents under inert gas. Protect from moisture.
 - P240 Ground and bond container and receiving equipment.
 - P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
 - P242 Use non-sparking tools.
 - P243 Take action to prevent static discharges.
 - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 - P264 Wash thoroughly after handling.
 - P271 Use only outdoors or in a well-ventilated area.
 - P273 Avoid release to the environment.
 - P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 - P302+P335+P334 IF ON SKIN: Brush off loose particles from skin. Immerse in cool water.
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 - P308+P313 IF exposed or concerned: Get medical advice/attention.
 - P312 Call a POISON CENTER/doctor if you feel unwell.
 - P321 Specific treatment (see on this label).
 - P362+P364 Take off contaminated clothing and wash it before reuse.
 - P332+P313 If skin irritation occurs: Get medical advice/attention.
 - P370+P378 In case of fire: Use CO₂, sand, extinguishing powder to extinguish.
 - P402+P404 Store in a dry place. Store in a closed container.
 - P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 - P403+P235 Store in a well-ventilated place. Keep cool.
 - P405 Store locked up.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 3)

Trade name: BASECOAT PAINT

(Contd. of page 2)

- Information pertaining to particular dangers for man and environment:
- Classification system:
- NFPA ratings (scale 0 - 4)



The substance demonstrates unusual reactivity with water.

- HMIS-ratings (scale 0 - 4)

**3 Composition/Information on ingredients****Chemical characterization: Mixtures**

- Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

CAS: 123-86-4	n-butyl ester	30-60% w/w *
EINECS: 204-658-1	<ul style="list-style-type: none"> ⚠ Flammable liquids – Category 3, H226 ⚠ Specific target organ toxicity (single exposure) – Category 3, H336 	
CAS: 1330-20-7	xylene	≥10-≤13% w/w *
	<ul style="list-style-type: none"> ⚠ Flammable liquids – Category 3, H226 ⚠ Acute Toxicity (Dermal) – Category 4, H312; Acute Toxicity (Inhalation) - Category 4, H332; Skin Irritation - Category 2, H315 	
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.	5-10% w/w *
EINECS: 265-199-0	<ul style="list-style-type: none"> ⚠ Flammable liquids – Category 3, H226 ⚠ Aspiration hazard – Category 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Acute Toxicity (Inhalation) - Category 4, H332; Specific target organ toxicity (single exposure) – Category 3, H335 Specific target organ toxicity (single exposure) – Category 3, H336 	
CAS: 7429-90-5	aluminium	1-5% w/w *
EINECS: 231-072-3	<ul style="list-style-type: none"> ⚠ Pyrophoric solids – Category 1, H250; Substances and mixtures which, in contact with water, emit flammable gases – Category 2, H261 	
CAS: 100-41-4	ethylbenzene	0.1-1% w/w *
EINECS: 202-849-4	<ul style="list-style-type: none"> ⚠ Flammable liquids – Category 2, H225 ⚠ Carcinogenicity – Category 2, H351; Specific target organ toxicity (repeated exposure) – Category 2, H373; Aspiration hazard – Category 1, H304 ⚠ Acute Toxicity (Inhalation) - Category 4, H332 	

* Actual concentration ranges are withheld as a trade secret.

4 First-aid measures**Description of first aid measures**

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

(Contd. on page 4)

CA

Trade name: BASECOAT PAINT

(Contd. of page 3)

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

Extinguishing powder. Do not use water.

CO2. Do not use water.

Sand. Do not use water.

Special powder for metal fires. Do not use water.

CO2, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

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

Protective equipment: No special measures required.

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

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

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.

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 section 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

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.

7 Handling and storage

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

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: Not required.

Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

(Contd. on page 5)

Trade name: BASECOAT PAINT

(Contd. of page 4)

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

· **Control parameters**

· Components with limit values that require monitoring at the workplace:

123-86-4 n-butyl ester

EL STEL: 150 ppm
TWA: 50 ppm

EV STEL: 950 mg/m³, 200 ppm
TWA: 710 mg/m³, 150 ppm

1330-20-7 xylene

EL TWA: 20 ppm
EV STEL: 650 mg/m³, 150 ppm
TWA: 435 mg/m³, 100 ppm

100-41-4 ethylbenzene

EL TWA: 20 ppm
IARC 2B
EV STEL: 540 mg/m³, 125 ppm
TWA: 435 mg/m³, 100 ppm

· **Regulatory information**

EL: OHS Guidelines Part 5, Table of Exposure Limits for Chemical and Biological Substances
EV: O. Reg. 287/17

· Additional information: The lists that were valid during the creation were used as basis.

· **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.
Store protective clothing separately.
Avoid contact with the skin.
Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **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

(Contd. on page 6)

CA

Trade name: BASECOAT PAINT

(Contd. of page 5)

· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

· Physical state	Liquid
· Color:	According to product specification
· Odor:	Characteristic
· Odor threshold:	Not determined.
· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	124-128 °C
· Flammability:	Flammable. Contact with water liberates extremely flammable gases.
· Explosion limits:	
· Lower:	1.2 Vol %
· Upper:	7.5 Vol %
· Flash point:	23 - 60 °C
· Auto igniting:	370 °C
· Decomposition temperature:	Not determined.
· pH-value:	Mixture is non-soluble (in water).
· Viscosity:	
· Kinematic at 20 °C:	0 mm ² /s
· Dynamic:	Not determined.
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure at 20 °C:	10.7 hPa
· Vapor pressure at 50 °C:	55 hPa
· Density at 20 °C:	0.9-1.13 g/cm ³
· Relative density	Not determined.
· Vapor density	Not determined.
· Particle characteristics	Not applicable.
· Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Risk of explosion by shock, friction, fire or other sources of ignition.
· Solvent content:	
· Organic solvents:	73.7 %
· Solids content:	22.0 %
· Change in condition	
· Evaporation rate	Not determined.

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(Contd. on page 7)

Trade name: BASECOAT PAINT

(Contd. of page 6)

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Contact with water releases flammable gases.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- Acute toxicity:
- LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Dermal LD50 15,456 mg/kg

123-86-4 n-butyl ester

Oral LD50 13,100 mg/kg (rat)
Dermal LD50 >5,000 mg/kg (rabbit)
Inhalative LC50/4 h >21 mg/l (rat)

1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat)
Dermal LD50 2,000 mg/kg (rabbit)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral LD50 >6,800 mg/kg (rat)
Dermal LD50 >3,400 mg/kg (rab)
Inhalative LC50/4 h >10.2 mg/l (rat)

100-41-4 ethylbenzene

Oral LD50 3,500 mg/kg (rat)
Dermal LD50 17,800 mg/kg (rabbit)

- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: No irritating effect.
- Sensitization: Sensitizing effect through inhalation is possible with prolonged exposure.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- Carcinogenic categories
- IARC (International Agency for Research on Cancer)

1330-20-7 xylene: 3

100-41-4 ethylbenzene: 2B

- NTP (National Toxicology Program)

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- Aquatic toxicity: No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

(Contd. on page 8)
CA

Trade name: BASECOAT PAINT

(Contd. of page 7)

· **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).

· **Other adverse effects**

- Remark: Harmful to fish
- Additional ecological information:
- General notes:
 - Water hazard class 2 (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

13 Disposal considerations

· **Waste treatment methods**

- Recommendation:
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
 - Recommendation: Disposal must be made according to official regulations.

* **14 Transport information**

· **UN-Number**

- DOT/TDG, ADR, IMDG, IATA UN3148

· **UN proper shipping name**

- DOT/TDG Water-reactive liquid, n.o.s. (Aluminum powder)
- ADR UN3148 Water-reactive liquid, n.o.s. (Aluminum powder)
- IMDG, IATA WATER-REACTIVE LIQUID, N.O.S. (ALUMINIUM POWDER)

· **Transport hazard class(es)**

- DOT/TDG (Transport dangerous goods):



- Class 4.3 Substances which, in contact with water, emit flammable gases
- Label 4.3
- ADR



- Class 4.3 (W1) Substances which, in contact with water, emit flammable gases
- Label 4.3
- IMDG, IATA



- Class 4.3 Substances which, in contact with water, emit flammable gases

(Contd. on page 9)

Trade name: BASECOAT PAINT

(Contd. of page 8)

· Label	4.3
· Packing group	
· DOT/TDG, ADR, IMDG, IATA	II
· Environmental hazards:	
· Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· IMDG	
· Limited quantities (LQ)	500 ml
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Special precautions for user	Warning: Substances which, in contact with water, emit flammable gases
· Hazard identification number (Kemler code):	323
· EMS Number:	F-G,S-N
· Segregation groups	(SGG15) Powdered metals
· Stowage Category	D
· Stowage Code	SW2 Clear of living quarters. SW31 Stow away from potential sources of ignition, as determined in 7.4.2.3.2 or 7.5.2.8 or 7.6.2.2.2, as applicable.
· Handling Code	H1 Keep as dry as reasonably practicable
· Segregation Code	SG26 In addition: from goods of classes 2.1 and 3 when stowed on deck of a containership a minimum distance of two container spaces athwartship shall be maintained, when stowed on ro-ro ships a distance of 6 m athwartship shall be maintained.
· UN "Model Regulation":	UN 3148 WATER-REACTIVE LIQUID, N.O.S. (ALUMINIUM POWDER), 4.3, II

15 Regulatory information

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· Safety, health and environmental regulations/legislation specific for the substance or mixture	
None of the ingredients is listed.	
· Sara	
· Section 355 (extremely hazardous substances):	
None of the ingredient is listed.	
· Section 313 (Specific toxic chemical listings):	
1330-20-7 xylene	
7429-90-5 aluminium	
100-41-4 ethylbenzene	
· TSCA (Toxic Substances Control Act):	
All components have the value ACTIVE.	

(Contd. on page 10)

CA

Trade name: BASECOAT PAINT

(Contd. of page 9)

· Canadian substance listings:

· Canadian Domestic Substances List (DSL)

- 123-86-4 n-butyl ester
- 1330-20-7 xylene
- 9004-36-8 cellulose acetate butyrate
 - CAB 381-20
 - CAB 381-2
 - CAB 381-0.1
- 64742-95-6 Solvent naphtha (petroleum), light arom.
 - 7429-90-5 aluminium
 - 78-83-1 butanol
- 64742-88-7 Solvent naphtha (petroleum), medium aliph.
 - 107-98-2 1-methoxy-2-propanol
 - 100-41-4 ethylbenzene
 - 108-65-6 2-methoxy-1-methylethyl acetate

· Canadian Non-Domestic Substances List (NDSL)

- 102782-92-3 Siloxanes and Silicones,3-[(2-aminoethyl)amino]propyl Me, di-Me, methoxy-terminated

· Canadian Ingredient Disclosure list (limit 0.1%)

- 100-41-4 ethylbenzene

· Canadian Ingredient Disclosure list (limit 1%)

- 123-86-4 n-butyl ester

- 7429-90-5 aluminium

· Per- and polyfluoroalkyl substances (PFAS)

None of the ingredients is listed.

· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



GHS02 GHS07 GHS08

· Signal word Danger

· Hazard-determining components of labeling:

- n-butyl ester
- ethylbenzene
- Solvent naphtha (petroleum), light arom.

· Hazard statements

- H226 Flammable liquid and vapour.
- H261 In contact with water releases flammable gas.
- H315 Causes skin irritation.
- H351 Suspected of causing cancer.
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· Precautionary statements

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P223 Do not allow contact with water.
- P231+P232 Handle and store contents under inert gas. Protect from moisture.
- P240 Ground and bond container and receiving equipment.
- P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
- P242 Use non-sparking tools.
- P243 Take action to prevent static discharges.

(Contd. on page 11)

Trade name: BASECOAT PAINT

(Contd. of page 10)

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P335+P334	IF ON SKIN: Brush off loose particles from skin. Immerse in cool water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor if you feel unwell.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P370+P378	In case of fire: Use CO ₂ , sand, extinguishing powder to extinguish.
P402+P404	Store in a dry place. Store in a closed container.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

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

16 Other information

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

· Department issuing SDS: Department of Quality Control

· Contact:

HB BODY S.A

Regulatory Officer

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· * Data compared to the previous version altered.