

1 Identification**1.1 Product identifier**Trade name: **SPRAY P340 PLASTOFIX**

Article number: 632

Application of the substance / the mixture

Surface protection

Adhesion promoter - primer

1.3 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

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email: hbody@hbody.com

Information department:

HB BODY S.A.

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Ph: +30 2310 790 000

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www.hbody.com

email: hbody@hbody.com

1.4 Emergency telephone number: CHEMTRECK : 800-494-9300**2 Hazard(s) identification****2.1 Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008



GHS02 Flame

Flammable Aerosols 1

H222 Extremely flammable aerosol.



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer.

Specific Target Organ Toxicity - Repeated Exposure 2 H373 May cause damage to the hearing organs through prolonged or repeated exposure.



GHS07

Acute Toxicity - Inhalation 4

H332 Harmful if inhaled.

Skin Irritation 2

H315 Causes skin irritation.

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· **2.2 Label elements**

- Labelling according to Regulation (EC) No 1272/2008
The product is classified and labeled according to the CLP regulation.
- Hazard pictograms



GHS02 GHS07 GHS08

- Signal word Danger
- Hazard-determining components of labeling:
xylene
ethylbenzene
- Hazard statements
H222 Extremely flammable aerosol.
H332 Harmful if inhaled.
H315 Causes skin irritation.
H351 Suspected of causing cancer.
H373 May cause damage to the hearing organs through prolonged or repeated exposure.
- 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/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with plenty of water.
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).
P314 Get medical advice/attention if you feel unwell.
P362+P364 Take off contaminated clothing and wash it before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Classification system:
- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)



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2.3 Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

3 Composition/information on ingredients

3.2 Chemical characterization: Mixtures

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

Dangerous components:

CAS: 1330-20-7	xylene	50-<60%
EINECS: 215-535-7	Flammable Liquids 3, H226	
Index number: 601-022-00-9	Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315	
RTECS: ZE 2100000		
CAS: 106-97-8	butane, pure	30-<35%
EINECS: 203-448-7	Flammable Gases 1, H220	
Index number: 601-004-00-0	Gases under Pressure - Compressed gas, H280	
RTECS: EJ 4200000	Acute Toxicity - Inhalation 3, H331	
CAS: 67-64-1	acetone	1-<5%
EINECS: 200-662-2	Flammable Liquids 2, H225	
Index number: 606-001-00-8	Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	
RTECS: AL 3150000		
CAS: 75-28-5	isobutane	1-<5%
EINECS: 200-857-2	Flammable Gases 1, H220	
Index number: 601-004-00-0	Gases under Pressure - Compressed gas, H280	
RTECS: TZ 4300000		
CAS: 74-98-6	propane	1-<5%
EINECS: 200-827-9	Flammable Gases 1, H220	
Index number: 601-003-00-5	Gases under Pressure - Compressed gas, H280	
RTECS: TX 2275000		
CAS: 100-41-4	ethylbenzene	≥0.1-<0.9%
EINECS: 202-849-4	Flammable Liquids 2, H225	
Index number: 601-023-00-4	Carcinogenicity 2, H351; Specific Target Organ Toxicity - Repeated Exposure 2, H373; Aspiration Hazard 1, H304	
RTECS: DA 0700000	Acute Toxicity - Inhalation 4, H332	

4 First-aid measures

4.1 Description of first aid measures

- General information: Immediately remove any clothing soiled by the product.
- 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.
- 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.

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.

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5 Fire-fighting measures

· **5.1 Extinguishing media**

· Suitable extinguishing agents:
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **5.2 Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

· **5.3 Advice for firefighters**

Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products
· Protective equipment: Mouth respiratory protective device.
· Additional information Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

· **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.

· Protective Action Criteria for Chemicals

· PAC-1:

1330-20-7 xylene: 130 ppm
106-97-8 butane, pure: 5500* ppm
67-64-1 acetone: 200 ppm
75-28-5 isobutane: 5500* ppm
74-98-6 propane: 5500* ppm
100-41-4 ethylbenzene: 33 ppm
108-90-7 chlorobenzene: 10 ppm

· PAC-2:

1330-20-7 xylene: 920* ppm
106-97-8 butane, pure: 17000** ppm
67-64-1 acetone: 3200* ppm
75-28-5 isobutane: 17000** ppm
74-98-6 propane: 17000** ppm
100-41-4 ethylbenzene: 1100* ppm
108-90-7 chlorobenzene: 150 ppm

· PAC-3:

1330-20-7 xylene: 2500* ppm
106-97-8 butane, pure: 53000*** ppm
67-64-1 acetone: 5700* ppm
75-28-5 isobutane: 53000*** ppm
74-98-6 propane: 33000*** ppm
100-41-4 ethylbenzene: 1800* ppm

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108-90-7 chlorobenzene: 400 ppm

7 Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.

Information about protection against explosions and fires:

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

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

8 Exposure controls/personal protection

8.1 Control parameters

Components with limit values that require monitoring at the workplace:

1330-20-7 xylene

PEL Long-term value: 435 mg/m³, 100 ppm

REL Short-term value: 655 mg/m³, 150 ppm

Long-term value: 435 mg/m³, 100 ppm

TLV Long-term value: 20 ppm

BEI, A4

106-97-8 butane, pure

REL Long-term value: 1900 mg/m³, 800 ppm

TLV Short-term value: 1000 ppm

(EX)

67-64-1 acetone

PEL Long-term value: 2400 mg/m³, 1000 ppm

REL Long-term value: 590 mg/m³, 250 ppm

TLV Short-term value: 500 ppm

Long-term value: 250 ppm

A4, BEI

75-28-5 isobutane

TLV Short-term value: 1000 ppm

(EX)

74-98-6 propane

PEL Long-term value: 1800 mg/m³, 1000 ppm

REL Long-term value: 1800 mg/m³, 1000 ppm

TLV see Appendix F Minimal oxygen content (D, EX)

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100-41-4 ethylbenzene

PEL Long-term value: 435 mg/m³, 100 ppm

REL Short-term value: 545 mg/m³, 125 ppm

Long-term value: 435 mg/m³, 100 ppm

TLV Long-term value: 20 ppm

OTO, BEI, A3

· **Regulatory information**

PEL: Guide to Occupational Exposure Values (OSHA PELs)

REL: Guide to Occupational Exposure Values (NIOSH RELs)

TLV: Guide to Occupational Exposure Values (TLV)

· **Ingredients with biological limit values:**

1330-20-7 xylene

BEI 1.5 g/g creatinine

Medium: urine

Time: end of shift

Parameter: Methylhippuric acids

67-64-1 acetone

BEI 25 mg/L

Medium: urine

Time: end of shift

Parameter: Acetone (nonspecific)

100-41-4 ethylbenzene

BEI 0.15 g/g creatinine

Medium: urine

Time: end of shift at end of workweek

Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific)

· **Additional information:** The lists that were valid during the creation 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.

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.

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- 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 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:
Safety glasses



Tightly sealed goggles

- Body protection: Protective work clothing

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

- Form: Aerosol
- Color: According to product specification
- Odor: Characteristic
- Odor threshold: Not determined.
- pH-value: Mixture is non-soluble (in water).

· Change in condition

- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: -44.5 °C (-48.1 °F)

- Flash point: < 0 °C (< 32 °F)

- Flammability (solid, gaseous): Not applicable.

- Auto igniting: 365 °C (689 °F)

- Decomposition temperature: Not determined.

- Ignition temperature: Product is not selfigniting.

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

· Explosion limits:

- Lower: 1.1 Vol %
- Upper: 8.5 Vol %

- Vapor pressure at 20 °C (68 °F): 2,100 hPa (1.600 mm Hg)

- Density at 20 °C (68 °F): 0.869 g/cm³ (7.25181 lbs/gal)

- Relative density: Not determined.

- Vapor density: Not determined.

- Evaporation rate: Not applicable.

· Solubility in / Miscibility with

- Water: Fully miscible.

- Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

- Dynamic: Not determined.
- Kinematic: Not determined.

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- Solvent content:
 - Organic solvents: 93.3 %
 - VOC content: 93.02 %
 - 808.4 g/l / 6.75 lb/gal
 - Solids content: 2.5 %
- **9.2 Other information** Total of organic content (volume) : 0.2%

10 Stability and reactivity

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

11 Toxicological information

- **11.1 Information on toxicological effects**
 - Acute toxicity:
Harmful if inhaled.
 - LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Dermal LD50 2,290 mg/kg (rabbit)
Inhalative LC50/4 h 12.4 mg/l

1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat)
Dermal LD50 2,000 mg/kg (rabbit)
Inhalative LC50/4 h 11 mg/l (ATE)

106-97-8 butane, pure

Inhalative LC50/4 h 658 mg/l (rat)

67-64-1 acetone

Oral LD50 5,800 mg/kg (rat)
Dermal LD50 20,000 mg/kg (rabbit)

100-41-4 ethylbenzene

Oral LD50 3,500 mg/kg (rat)
Dermal LD50 17,800 mg/kg (rabbit)
Inhalative LC50/4 h 11 mg/l (ATE)

- Primary irritant effect:
 - on the skin:
Causes skin irritation.
 - on the eye: Based on available data, the classification criteria are not met.
- Sensitization: Based on available data, the classification criteria are not met.

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- Additional toxicological information:
- 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.
- OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity
Suspected of causing cancer.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.
- Specific target organ toxicity - repeated exposure
May cause damage to the hearing organs through prolonged or repeated exposure.
- Aspiration hazard Based on available data, the classification criteria are not met.

12 Ecological information

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

* **13 Disposal considerations**

- **13.1 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.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

* **14 Transport information**

- **14.1 UN-Number**
- DOT, ADR, IMDG, IATA UN1950
- **14.2 UN proper shipping name**
- DOT Aerosols, flammable

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- ADR
- IMDG
- IATA
- **14.3 Transport hazard class(es)**
- DOT



- Class
- Label
- ADR

UN1950 AEROSOLS
AEROSOLS
AEROSOLS, flammable

2.1 Gases
2.1



- Class
- Label
- IMDG, IATA

2.5F Gases
2.1



- Class
- Label
- **14.4 Packing group**
- DOT, ADR, IMDG, IATA

2.1 Gases
2.1

· **14.5 Environmental hazards:**

- Marine pollutant:
- **14.6 Special precautions for user**
- Hazard identification number (Kemler code):
- EMS Number:
- Segregation groups
- Stowage Code

Void

No
Warning: Gases

-
F-D,S-U
(SGG10) Liquid halogenated hydrocarbons
SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre:
Category A. For AEROSOLS with a capacity above 1 litre:
Category B. For WASTE AEROSOLS: Category C, Clear of
living quarters.
SG69 For AEROSOLS with a maximum capacity of 1 litre:
Segregation as for class 9. Stow "separated from" class 1
except for division 1.4.
For AEROSOLS with a capacity above 1 litre:
Segregation as for the appropriate subdivision of class 2.
For WASTE AEROSOLS:
Segregation as for the appropriate subdivision of class 2.

- Segregation Code

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

Not applicable.

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- Transport/Additional information:
 - ADR
 - Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
 - IMDG
 - Limited quantities (LQ) 1L
 - Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
 - UN "Model Regulation": UN 1950 AEROSOLS, 2.1

15 Regulatory information

15.1 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
100-41-4 ethylbenzene
108-90-7 chlorobenzene

- TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

- Hazardous Air Pollutants

1330-20-7 xylene
100-41-4 ethylbenzene
108-90-7 chlorobenzene

- Proposition 65

- Chemicals known to cause cancer:

100-41-4 ethylbenzene

- Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- Cancerogenity categories

- EPA (Environmental Protection Agency)

1330-20-7 xylene: I
67-64-1 acetone: I
100-41-4 ethylbenzene: D
108-90-7 chlorobenzene: D

- TLV (Threshold Limit Value)

1330-20-7 xylene: A4
67-64-1 acetone: A4
100-41-4 ethylbenzene: A3

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108-90-7 chlorobenzene: A3

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

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

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

· Hazard pictograms



GHS02 GHS07 GHS08

· Signal word Danger

· Hazard-determining components of labeling:

xylene

ethylbenzene

· Hazard statements

H222 Extremely flammable aerosol.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H351 Suspected of causing cancer.

H373 May cause damage to the hearing organs through prolonged or repeated exposure.

· 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/sparks/open flames/hot surfaces. - No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 If on skin: Wash with plenty of water.

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).

P314 Get medical advice/attention if you feel unwell.

P362+P364 Take off contaminated clothing and wash it before reuse.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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

· **15.2 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.

· Relevant phrases

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

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H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

· Department issuing SDS: Department of Quality Control

· Contact:

H.B BODY S.A

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· Date of preparation / last revision 03/17/2023

· * Data compared to the previous version altered.

US