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1 Identification

· **1.1 Product identifier**

· Trade name: **600 PAINT REMOVER SPRAY**

· Article number: 494

· Application of the substance / the mixture 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 & MB6 Str
THESSALONIKI INDUSTRIAL AREA
57.022, SINDOS
THESSALONIKI,GREECE
Ph: +30 2310 790 000
Fax: +30 2310 790 033
email: hbbody@hbbody.com

· Information department:
HB BODY S.A.
B' ENTRANCE BLOCK 50 DA9 & 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:** CHEMTRECK : 800-494-9300

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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.

GHS05 Corrosion

Eye Damage 1 H318 Causes serious eye damage.

GHS07

Skin Irritation 2 H315 Causes skin irritation.
Sensitization - Skin 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 labeled according to the CLP regulation.

(Contd. on page 2)

Trade name: 600 PAINT REMOVER SPRAY

(Contd. of page 1)

· Hazard pictograms

GHS02 GHS05 GHS07

· Signal word Danger

· Hazard-determining components of labeling:
dimethoxymethane
2-dimethylaminoethanol

· Hazard statements
H222 Extremely flammable aerosol.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.

· Precautionary statements

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.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves / eye protection / face protection.
P302+P352	If on skin: Wash with plenty of water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
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)

Health = 3
Fire = 4
Reactivity = 0

· HMIS-ratings (scale 0 - 4)

Health = 3
Fire = 4
Reactivity = 3

· **2.3 Other hazards**
· Results of PBT and vPvB assessment
· PBT: Not applicable.
· vPvB: Not applicable.

(Contd. on page 3)

(Contd. of page 2)

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3 Composition/information on ingredients

· **3.2 Chemical characterization: Mixtures**

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

· Dangerous components:

CAS: 646-06-0 EINECS: 211-463-5 Index number: 605-017-00-2 RTECS: JH 6760000	1,3-dioxolane Flammable Liquids 2, H225	40-<45%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 RTECS: PM 4780000	dimethyl ether Flammable Gases 1, H220 Gases under Pressure - Compressed gas, H280 Acute Toxicity - Inhalation 2, H330	35-<40%
CAS: 109-87-5 EINECS: 203-714-2 RTECS: PA 8750000	dimethoxymethane Flammable Liquids 2, H225 Sensitization - Skin 1, H317	15-<20%
CAS: 108-01-0 EINECS: 203-542-8 Index number: 603-047-00-0 RTECS: KK 6125000	2-dimethylaminoethanol Flammable Liquids 3, H226 Skin Corrosion 1B, H314 Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332	1-<5%
CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2	Distillates (petroleum), hydrotreated light Flammable Liquids 3, H226 Aspiration Hazard 1, H304	1-<5%
CAS: 8002-74-2 EINECS: 232-315-6 RTECS: RV 0350000	Paraffin waxes and Hydrocarbon waxes	1-<5%

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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 and to be sure call for a doctor.
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. Then consult a doctor.

· 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.

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** No further relevant information available.

· **5.3 Advice for firefighters**
Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products

· Protective equipment: No special measures required.

(Contd. on page 4)

(Contd. of page 3)

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

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6 Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
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:**
Use neutralizing agent.
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:
646-06-0 1,3-dioxolane: 60 ppm
115-10-6 dimethyl ether: 3,000 ppm
109-87-5 dimethoxymethane: 230 ppm
108-01-0 2-dimethylaminoethanol: 3.7 ppm
110-15-6 succinic acid: 6.8 mg/m³
· PAC-2:
646-06-0 1,3-dioxolane: 190 ppm
115-10-6 dimethyl ether: 3800* ppm
109-87-5 dimethoxymethane: 2500* ppm
108-01-0 2-dimethylaminoethanol: 40 ppm
110-15-6 succinic acid: 75 mg/m³
· PAC-3:
646-06-0 1,3-dioxolane: 1,000 ppm
115-10-6 dimethyl ether: 7200* ppm
109-87-5 dimethoxymethane: 15000** ppm
108-01-0 2-dimethylaminoethanol: 72 ppm
110-15-6 succinic acid: 450 mg/m³

7 Handling and storage

· **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
· 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.
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.

(Contd. on page 5)

(Contd. of page 4)

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

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8 Exposure controls/personal protection

· **8.1 Control parameters**

· Components with limit values that require monitoring at the workplace:
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

646-06-0 1,3-dioxolane

TLV Long-term value: 20 ppm

115-10-6 dimethyl ether

WEEL Long-term value: 1000 ppm

109-87-5 dimethoxymethane

PEL Long-term value: 3100 mg/m³, 1000 ppm

REL Long-term value: 3100 mg/m³, 1000 ppm

TLV Long-term value: 1000 ppm

8002-74-2 Paraffin waxes and Hydrocarbon waxes

REL Long-term value: 2 mg/m³

TLV Long-term value: 2 mg/m³

· Regulatory information
TLV: Guide to Occupational Exposure Values (TLV)
WEEL: Guide to Occupational Exposure Values (AIHA WEELs)
PEL: Guide to Occupational Exposure Values (OSHA PELs)
REL: Guide to Occupational Exposure Values (NIOSH RELs)

· 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.
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.
Use suitable respiratory protective device in case of insufficient ventilation.

· 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.

(Contd. on page 6)

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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

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9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information
· Appearance:

Form:	Gaseous
Color:	Colorless
· 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:	-24.9 °C (-12.8 °F)
· Flash point:	< 0 °C (< 32 °F)
· Flammability (solid, gaseous):	Not applicable.
· Auto igniting:	235 °C (455 °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:	2.1 Vol %
Upper:	20.5 Vol %
· Vapor pressure at 20 °C (68 °F):	5,200 hPa (3.900 mm Hg)
· Density at 20 °C (68 °F):	0.857 g/cm³ (7.15167 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.

(Contd. on page 7)

(Contd. of page 6)

· Solvent content:

Organic solvents:	35.8 %
VOC content:	35.75 % 306.4 g/l / 2.56 lb/gal
Solids content:	16.8 %

· **9.2 Other information** No further relevant information available.

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: Based on available data, the classification criteria are not met.
· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral	LD50	65,935 mg/kg (rat)
Dermal	LD50	45,165 mg/kg (rabbit)
Inhalative	LC50/4 h	107 mg/l

646-06-0 1,3-dioxolane

Oral	LD50	3,000 mg/kg (rat)
Dermal	LD50	8,480 mg/kg (rabbit)
Inhalative	LC50/4 h	20,650 mg/l (rat)

115-10-6 dimethyl ether

Inhalative	LC50/4 h	308 mg/l (rat)

109-87-5 dimethoxymethane

Oral	LD50	5,708 mg/kg (rabbit)

108-01-0 2-dimethylaminoethanol

Oral	LD50	2,000 mg/kg (rat)
Dermal	LD50	1,370 mg/kg (rabbit)
Inhalative	LC50/4 h	3.25 mg/l (mouse)

· Primary irritant effect:
· on the skin:
Causes skin irritation.
· on the eye:
Causes serious eye damage.
· Sensitization:
May cause an allergic skin reaction.

(Contd. on page 8)
US

(Contd. of page 7)

· Additional toxicological information:
· Carcinogenic categories
· IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
· 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 Based on available data, the classification criteria are not met.
· 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 Based on available data, the classification criteria are not met.
· Aspiration hazard Based on available data, the classification criteria are not met.

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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 1 (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.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
· **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.

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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.

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14 Transport information

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

(Contd. on page 9)

Trade name: 600 PAINT REMOVER SPRAY

(Contd. of page 8)

· IATA — AEROSOLS, flammable

· **14.3 Transport hazard class(es)**

· DOT

· Class — 2.1 Gases
· Label — 2.1

· ADR

· Class — 2 5F Gases
· Label — 2.1

· IMDG, IATA

· Class — 2.1 Gases
· Label — 2.1

· **14.4 Packing group**
· DOT, ADR, IMDG, IATA — Void

· **14.5 Environmental hazards:**
· Marine pollutant: — No

· **14.6 Special precautions for user** — Warning: Gases
· Hazard identification number (Kemler code): — -
· EMS Number: — F-D,S-U
· Stowage Code — 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.
· Segregation Code — 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.

· **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** — Not applicable.

· Transport/Additional information:

· ADR
· Excepted quantities (EQ) — Code: E0
Not permitted as Excepted Quantity

(Contd. on page 10)

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· 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):
None of the ingredients is listed.
· TSCA (Toxic Substances Control Act):
646-06-0 1,3-dioxolane: ACTIVE
115-10-6 dimethyl ether: ACTIVE
109-87-5 dimethoxymethane: ACTIVE
108-01-0 2-dimethylaminoethanol: ACTIVE
64742-47-8 Distillates (petroleum), hydrotreated light: ACTIVE
8002-74-2 Paraffin waxes and Hydrocarbon waxes: ACTIVE
110-15-6 succinic acid: ACTIVE
· Hazardous Air Pollutants
None of the ingredients is listed.
· Proposition 65
· Chemicals known to cause cancer:
None of the ingredients is listed.
· 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)
None of the ingredients is listed.
· TLV (Threshold Limit Value)
None of the ingredients is listed.
· 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.

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· Hazard pictograms

GHS02 GHS05 GHS07

· Signal word Danger

· Hazard-determining components of labeling:
dimethoxymethane
2-dimethylaminoethanol

· Hazard statements
H222 Extremely flammable aerosol.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.

· Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
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P280	Wear protective gloves / eye protection / face protection.
P302+P352	If on skin: Wash with plenty of water.
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P310	Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
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P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
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.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H330 Fatal if inhaled.
H332 Harmful if inhaled.

· Contact:
H.B BODY S.A
Ms Olympia Stamkou
Ph: +30 2310 790 032

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(Contd. of page 11)

fax: +30 2310 790 033
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