

1 Identification**1.1 Product identifier**

- Trade name: **600 PAINT REMOVER**
- Article number: 477
- 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: hbody@hbody.com

Information department:

HB BODY S.A.
B' ENTRANCE BLOCK 50 DA9 & MB6 Str
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THESSALONIKI,GREECE
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 Liquids 2 H225 Highly flammable liquid and vapor.



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.

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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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



- Signal word Danger
- Hazard-determining components of labeling:
dimethoxymethane
2-dimethylaminoethanol
- Hazard statements
H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- 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.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- 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.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- 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: 646-06-0	1,3-dioxolane	60-<70%
EINECS: 211-463-5	Flammable Liquids 2, H225	
Index number: 605-017-00-2		
RTECS: JH 6760000		
CAS: 109-87-5	dimethoxymethane	20-<25%
EINECS: 203-714-2	Flammable Liquids 2, H225	
RTECS: PA 8750000	Sensitization - Skin 1, H317	
CAS: 108-01-0	2-dimethylaminoethanol	1-<5%
EINECS: 203-542-8	Flammable Liquids 3, H226	
Index number: 603-047-00-0	Skin Corrosion 1B, H314	
RTECS: KK 6125000	Acute Toxicity - Oral 4, H302; Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332	
CAS: 64742-47-8	Distillates (petroleum), hydrotreated light	1-<5%
EINECS: 265-149-8	Flammable Liquids 3, H226	
Index number: 649-422-00-2	Aspiration Hazard 1, H304	
	ANTICORROSIVE PIGMENT	0.99%
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	

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

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- 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

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
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).
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
109-87-5 dimethoxymethane: 230 ppm
108-01-0 2-dimethylaminoethanol: 3.7 ppm

PAC-2:

646-06-0 1,3-dioxolane: 190 ppm
109-87-5 dimethoxymethane: 2500* ppm
108-01-0 2-dimethylaminoethanol: 40 ppm

PAC-3:

646-06-0 1,3-dioxolane: 1,000 ppm
109-87-5 dimethoxymethane: 15000** ppm
108-01-0 2-dimethylaminoethanol: 72 ppm

7 Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

- Requirements to be met by storerooms and receptacles: Store in a cool location.
- 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.

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- **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:**
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

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

Regulatory information

- TLV: Guide to Occupational Exposure Values (TLV)
- 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.
- **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

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· Eye protection:



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: Liquid

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: 45.5 °C (113.9 °F)

· Flash point: < 0 °C (< 32 °F)

· Flammability (solid, gaseous): Highly flammable.

· 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): 440 hPa (330 mm Hg)

· Density at 20 °C (68 °F): 0.982 g/cm³ (8.19479 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with

Water: Fully miscible.

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

· Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

· Solvent content:

VOC content: 0.00 %

0.0 g/l / 0.00 lb/gal

Solids content: 23.7 %

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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 66,667 mg/kg (rat)

Dermal LD50 45,667 mg/kg (rabbit)

Inhalative LC50/4 h 108 mg/l (mouse)

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)

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.

· 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.

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- 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.

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.
- Ecotoxicological effects:
- Remark: Harmful to fish
- 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.
Harmful to aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- PBT: This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).
- vPvB: This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).
- **12.6 Other adverse effects** No further relevant information available.

* **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 UN1263
- **14.2 UN proper shipping name**
- DOT Paint related material
- ADR UN1263 PAINT RELATED MATERIAL, special provision 640D
- IMDG, IATA PAINT RELATED MATERIAL
- **14.3 Transport hazard class(es)**
- DOT



- Class 3 Flammable liquids

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- Label 3
- ADR



- Class 3 (F1) Flammable liquids
- Label 3
- IMDG, IATA



- Class 3 Flammable liquids
- Label 3
- **14.4 Packing group**
- DOT, ADR, IMDG, IATA II
- **14.5 Environmental hazards:**
- Marine pollutant: No
- **14.6 Special precautions for user** Warning: Flammable liquids
- Hazard identification number (Kemler code): 33
- EMS Number: F-E,S-E
- Stowage Category B
- **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: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
- IMDG
- Limited quantities (LQ) 5L
- Excepted quantities (EQ) Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
- UN "Model Regulation": UN 1263 PAINT RELATED MATERIAL, 3, II

15 Regulatory information

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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.

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- TSCA (Toxic Substances Control Act):
646-06-0 1,3-dioxolane: ACTIVE
109-87-5 dimethoxymethane: ACTIVE
108-01-0 2-dimethylaminoethanol: ACTIVE
64742-47-8 Distillates (petroleum), hydrotreated light: 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.

· Hazard pictograms



GHS02 GHS05 GHS07

· Signal word Danger

· Hazard-determining components of labeling:

dimethoxymethane

2-dimethylaminoethanol

· Hazard statements

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash thoroughly after handling.

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P272	Contaminated work clothing must not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P370+P378	In case of fire: Use CO2, powder or water spray to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
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**

- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- 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.
- H332 Harmful if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

· **Contact:**

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

· * Data compared to the previous version altered.