Printing date: 17.03.2023
Revision date: 17.03.2023
Version no. 9

Safety Data Sheet
in accordance with HSNO

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1 Identification of the substance or mixture and of the supplier

· **Product identifier**

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

· Article number: 494

· Relevant identified uses of the substance or mixture and uses advised against

· Sector of Use
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Product category PC9a Coatings and paints, thinners, paint removers

· Process category
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

· Environmental release category ERC2 Formulation into mixture

· Article category AC1 Vehicles

· Application of the substance / the mixture Surface protection

· **Details of the supplier of the safety data sheet**

· Manufacturer/Supplier:
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

· Further information obtainable from:
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

· Emergency telephone number: 24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

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2 Hazards identification

· **Classification of the substance or mixture**


flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.

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

· Additional information:
6.3A Substances that are irritating to the skin
2.1.2A Flammable aerosol
8.3A Substances that are corrosive to ocular tissue
6.4A Substances that are irritating to the eye
2.1.1 AFlammable gas - high hazard

· **Label elements**

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

· Hazard pictograms

GHS02 GHS07

· Signal word Danger

· Hazard-determining components of labelling:
dimethoxymethane

· Hazard statements
H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

· Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.

· **Other hazards**

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

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3 Composition/Information on ingredients

· **Chemical characterisation: Mixtures**

· Description: Mixture of hazardous 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 Flam. Liq. 2, H225	40-<45%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 RTECS: PM 4780000	dimethyl ether Flam. Gas 1A, H220 Press. Gas C, H280 Acute Tox. 2, H330	35-<40%
CAS: 109-87-5 EINECS: 203-714-2 RTECS: PA 8750000	dimethoxymethane Flam. Liq. 2, H225 Skin Sens. 1, H317	15-<20%

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NZ

CAS: 108-01-0 EINECS: 203-542-8 Index number: 603-047-00-0 RTECS: KK 6125000	2-dimethylaminoethanol Flam. Liq. 3, H226 Skin Corr. 1B, H314 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	1-<5%
CAS: 64742-47-8 EINECS: 265-149-8 Index number: 649-422-00-2	Distillates (petroleum), hydrotreated light Flam. Liq. 3, H226 Asp. Tox. 1, H304	1-<5%
CAS: 8002-74-2 EINECS: 232-315-6 RTECS: RV 0350000	Paraffin waxes and Hydrocarbon waxes	1-<5%

· Additional information: For the wording of the listed hazard phrases refer to section 16.

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4 First aid measures

· **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. If symptoms persist, consult a doctor. Remove contanct lenses in case of eye contamination and irrigae copiously with clean water for at least 15 minutes trying to hold the eye lids open.
· After swallowing: If symptoms persist consult doctor.
· Information for doctor:
· Most important symptoms and effects, both acute and delayed No further relevant information available.
· Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Fire fighting measures

· **Extinguishing media**
· Suitable extinguishing agents:
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **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
· Speial protective equipment and fire fighting procedures: 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 to enter sewers/ surface or ground water.
· **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· **Reference to other sections**
See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

· **Handling:**
· Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
· Information about fire - and explosion protection:
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Pressurised 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.

· **Conditions for safe storage, including any incompatibilities**
· Storage:
· Requirements to be met by storerooms and receptacles:
Observe official regulations on storing packagings with pressurised containers.
· Information about storage in one common storage facility: Not required.
· Further information about storage conditions: Keep container tightly sealed.
· **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

· **Control parameters**
· Ingredients with limit values that require monitoring at the workplace:

115-10-6 dimethyl ether

WES (New Zealand)	Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm
IOELV (EU)	Long-term value: 1920 mg/m³, 1000 ppm

109-87-5 dimethoxymethane

WES (New Zealand) Long-term value: 3110 mg/m³, 1000 ppm

108-01-0 2-dimethylaminoethanol

WES (New Zealand)	Short-term value: 22 mg/m³, 6 ppm Long-term value: 7.4 mg/m³, 2 ppm

8002-74-2 Paraffin waxes and Hydrocarbon waxes

WES (New Zealand) Long-term value: 2 mg/m³
· Regulatory information
WES (New Zealand): Workplace Exposure Standards and Biological Exposure Indices
IOELV (EU): (EU) 2019/1831
· Additional information: The lists valid during the making 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.
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.
Use suitable respiratory protective device in case of insufficient ventilation.

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· 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

· Eye protection:
Safety glasses

Tightly sealed goggles

· Body protection: Protective work clothing

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9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· General Information	
· Appearance:	
· Form:	Gaseous
· Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Mixture is non-soluble (in water).
· Change in condition	
· Melting point/freezing point:	Undetermined.
· Initial boiling point and boiling range:	-24.9 °C
· Flash point:	< 0 °C
· Flammability (solid, gas):	Not applicable.
· Autoignition temperature:	235 °C
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Risk of explosion by shock, friction, fire or other sources of ignition.
· Explosion limits:	
· Lower:	2.1 Vol %
· Upper:	20.5 Vol %
· Vapour pressure at 20 °C:	5,200 hPa
· Density at 20 °C:	0.857 g/cm³

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· Relative density	Not determined.
· Vapour 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.
· Solvent content:	
· Organic solvents:	35.8 %
· VOC (EC)	306.4 g/l
· Solids content (volume):	16.8 %
· **Other information**	No further relevant information available.

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** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

· **Information on toxicological effects**
· Acute toxicity
· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral	LD50	102,622 mg/kg (rat)
Dermal	LD50	70,296 mg/kg (rabbit)
Inhalative	LC50/4 h	140 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)

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· Primary irritant effect:
· Skin corrosion/irritation Irritant to skin and mucous membranes.
· Serious eye damage/irritation Irritating effect.
· Respiratory or skin sensitisation
Sensitisation possible through skin contact.
Sensitising effect through inhalation is possible by prolonged exposure.
· Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

· **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
· **Persistence and degradability**
This prouduct 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
· **Behaviour in environmental systems:**
· Bioaccumulative potential No further relevant information available.
· Mobility in soil No further relevant information available.
· **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.
· **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** No further relevant information available.

13 Disposal considerations

· **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.
· Recommended cleansing agents: Water, if necessary together with cleansing agents.

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14 Transport information

· **UN-Number**
· NZS, IMDG, IATA UN1950
· **UN proper shipping name**
· NZS UN1950 AEROSOLS
· IMDG AEROSOLS
· IATA AEROSOLS, flammable

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Trade name: 600 PAINT REMOVER SPRAY

· **Transport hazard class(es)**

· NZS

· Class	2 5F Gases.
· Label	2.1

· IMDG, IATA

· Class	2.1 Gases.
· Label	2.1
· **Packing group**	
· NZS, IMDG, IATA	Void
· **Environmental hazards:**	
· Marine pollutant:	No
· **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.
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.

· **Transport/Additional information:**

· NZS

· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D

· IMDG

· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

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Trade name: 600 PAINT REMOVER SPRAY

· **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

* **15 Regulatory information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
None of the ingredients is listed.
· New Zealand Inventory of Chemicals
646-06-0 1,3-dioxolane
115-10-6 dimethyl ether
109-87-5 dimethoxymethane
108-01-0 2-dimethylaminoethanol
64742-47-8 Distillates (petroleum), hydrotreated light
8002-74-2 Paraffin waxes and Hydrocarbon waxes
110-15-6 succinic acid
· HSNO Approval numbers
HSNO Number/HSNO Group Standard HSR002515
646-06-0 1,3-dioxolane: HSR001141
115-10-6 dimethyl ether: HSR000995
109-87-5 dimethoxymethane: HSR001047
· GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
· Hazard pictograms

GHS02 GHS07

· Signal word Danger
· Hazard-determining components of labelling:
dimethoxymethane
· Hazard statements
H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
· Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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.
· Directive 2012/18/EU
· Named dangerous substances - ANNEX I None of the ingredients is listed.
· Seveso category P3a FLAMMABLE AEROSOLS
· Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
· Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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Trade name: 600 PAINT REMOVER SPRAY

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.

· Reasons for alterations
· Relevant phrases
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
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:**
HB BODY S.A
Ms Olympia Stamkou
Ph: +30 2310 790 032
fax: +30 2310 790 033
email: stamkou@hbbody.com
· * Data compared to the previous version altered.

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Trade name: 600 PAINT REMOVER SPRAY

* **Annex: Exposure scenario**

· **Short title of the exposure scenario**
· Sector of Use
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
· Product category PC9a Coatings and paints, thinners, paint removers
· Process category
PROC9 Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
· Article category AC1 Vehicles
· Environmental release category ERC2 Formulation into mixture
· **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 Aerosol
· Concentration of the substance in the mixture The substance is main component.
· Used amount per time or activity Smaller than 100 g per application.
· **Other operational conditions**
· Other operational conditions affecting environmental exposure No special measures required.
· Other operational conditions affecting worker exposure
Avoid contact with the skin.
Avoid long-term or repeated skin contact.
Take precautionary measures against static discharge.
Keep away from sources of ignition - No smoking.
Avoid contact with eyes.
· Other operational conditions affecting consumer exposure Keep out of the reach of children.
· 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
Provide explosion-proof electrical equipment.
Ensure that suitable extractors are available on processing machines
· Personal protective measures
Avoid contact with the skin.
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
Avoid contact with the eyes.
Tightly sealed goggles
· Measures for consumer protection
Ensure adequate labelling.
Keep locked up and out of the reach of children.

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Observe consumer information and advice on safe use.

· 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.

· Soil The product is only processed over the concrete collecting basin.

· **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 technitians only.
Not relevant for this Exposure Scenario.

· **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.