

* **1 Identification**

· **1.1 Product identifier**

· Trade name: **C494 CLEAR ULTRA HS 2:1**

· Article number: 365

· Application of the substance / the mixture

Coating compound/ Surface coating/ paint

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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57.022, SINDOS

THESSALONIKI,GREECE

Ph: +30 2310 790 000

Fax: +30 2310 790 033

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 3

H226 Flammable liquid and vapor.



GHS07

Sensitization - Skin 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

Aquatic Acute 3

H402 Harmful to aquatic life.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

· **2.2 Label elements**

· 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 GHS07

· Signal word Warning

· Hazard-determining components of labeling:

n-butyl acetate
bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

· Hazard statements

H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
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
P271 Use only outdoors or in a well-ventilated area.
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.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a poison center/doctor if you feel unwell.
P321 Specific treatment (see on this label).
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+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.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 0
Fire = 3
Reactivity = 0

· HMIS-ratings (scale 0 - 4)



HEALTH 0 Health = 0
FIRE 3 Fire = 3
REACTIVITY 0 Reactivity = 0

· **2.3 Other hazards**

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

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- 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: 123-86-4	n-butyl acetate	20-<25%
EINECS: 204-658-1	Flammable Liquids 3, H226	
Index number: 607-025-00-1	Specific Target Organ Toxicity - Single Exposure 3, H336	
RTECS: AF 7350000		
CAS: 112-07-2	2-butoxyethyl acetate	5-<10%
EINECS: 203-933-3	Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332	
Index number: 607-038-00-2	Flammable Liquids 4, H227	
RTECS: KJ 8925000		
CAS: 1330-20-7	xylene	5-<10%
Index number: 601-022-00-9	Flammable Liquids 3, H226	
	Acute Toxicity - Dermal 4, H312; Acute Toxicity - Inhalation 4, H332; Skin Irritation 2, H315	
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	1-<5%
EINECS: 203-603-9	Flammable Liquids 3, H226	
Index number: 607-195-00-7		
CAS: 41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	≥0.25-<0.9%
EINECS: 255-437-1	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	Sensitization - Skin 1, H317	
CAS: 82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	≥0.1-<0.25%
EINECS: 280-060-4	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
	Sensitization - Skin 1, H317	

4 First-aid measures

4.1 Description of first aid measures

General information:

- Take affected persons out into the fresh air.
- Seek immediate medical advice.
- Immediately remove any clothing soiled by the product.

After inhalation:

- Seek medical treatment in case of complaints.
- 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.

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

In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

5.3 Advice for firefighters

Firefighters should always protective equipment and breathing apparatus when handling fire coming from these products
Protective equipment: Wear self-contained 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

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).
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:

123-86-4 n-butyl acetate: 5 ppm
112-07-2 2-butoxyethyl acetate: 15 ppm
1330-20-7 xylene: 130 ppm
108-65-6 2-methoxy-1-methylethyl acetate: 50 ppm
1330-20-7 xylene: 130 ppm
77-58-7 dibutyltin dilaurate: 1.1 mg/m³

PAC-2:

123-86-4 n-butyl acetate: 200 ppm
112-07-2 2-butoxyethyl acetate: 35 ppm
1330-20-7 xylene: 920* ppm
108-65-6 2-methoxy-1-methylethyl acetate: 1,000 ppm
1330-20-7 xylene: 920* ppm
77-58-7 dibutyltin dilaurate: 8 mg/m³

PAC-3:

123-86-4 n-butyl acetate: 3000* ppm
112-07-2 2-butoxyethyl acetate: 210 ppm
1330-20-7 xylene: 2500* ppm
108-65-6 2-methoxy-1-methylethyl acetate: 5000* ppm
1330-20-7 xylene: 2500* ppm

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77-58-7 dibutyltin dilaurate: 48 mg/m³

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: No special requirements.
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:
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.

123-86-4 n-butyl acetate

PEL Long-term value: 710 mg/m³, 150 ppm
REL Short-term value: 950 mg/m³, 200 ppm
Long-term value: 710 mg/m³, 150 ppm
TLV Short-term value: 150 ppm
Long-term value: 50 ppm

112-07-2 2-butoxyethyl acetate

REL Long-term value: 33 mg/m³, 5 ppm
TLV Long-term value: 20 ppm
A3

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

108-65-6 2-methoxy-1-methylethyl acetate

WEEL Long-term value: 50 ppm

- 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)
WEEL: Guide to Occupational Exposure Values (AIHA WEELs)

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· **Ingredients with biological limit values:**

1330-20-7 xylene

BEI 1.5 g/g creatinine
Medium: urine
Time: end of shift
Parameter: Methylhippuric acids

· 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:**

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

· **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

· **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:

Fluid

Color:

According to product specification

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined.

· **pH-value:**

Mixture is non-soluble (in water).

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- Change in condition
 - Melting point/Melting range: Undetermined.
 - Boiling point/Boiling range: 124-128 °C (255.2-262.4 °F)
- Flash point: 23 - 60 °C (73.4 - 140 °F)
- Flammability (solid, gaseous): Flammable.
- Auto igniting: 280 °C (536 °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: 7 Vol %
- Vapor pressure at 20 °C (68 °F): 6.7 hPa (5 mm Hg)
- Density at 20 °C (68 °F): 0.89443 g/cm³ (7.46402 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:
 - Organic solvents: 45.8 %
 - VOC content: 45.82 %
409.8 g/l / 3.42 lb/gal
 - Solids content: 2.2 %
- **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.

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· LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Dermal LD50 10,848 mg/kg (rabbit)
Inhalative LC50/4 h 68.4 mg/l

123-86-4 n-butyl acetate

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

112-07-2 2-butoxyethyl acetate

Oral LD50 2,400 mg/kg (rat)
Dermal LD50 1,580 mg/kg (rabbit)
Inhalative LC50/4 h 11 mg/l (ATE)

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)

108-65-6 2-methoxy-1-methylethyl acetate

Oral LD50 8,532 mg/kg (rat)
Inhalative LC50/4 h 35.7 mg/l (rat)

· Primary irritant effect:

- on the skin: Based on available data, the classification criteria are not met.
- on the eye: Based on available data, the classification criteria are not met.

· Sensitization:

May cause an allergic skin reaction.

· Additional toxicological information:

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

1330-20-7 xylene: 3

1330-20-7 xylene: 3

· 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
May cause drowsiness or dizziness.
- 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.

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- 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.
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
- ADR UN1263 PAINT
- IMDG, IATA PAINT
- **14.3 Transport hazard class(es)**

- DOT
-  3 Flammable liquids
- Class 3
- Label
- ADR

-  3 (F1) Flammable liquids
- Class 3
- Label

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· IMDG, IATA



· Class	3 Flammable liquids
· Label	3
· 14.4 Packing group	
· DOT, ADR, IMDG, IATA	III
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, <u>S-E</u>
· Stowage Category	A
· 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: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

* **15 Regulatory information**

·3Y

· **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):

112-07-2 2-butoxyethyl acetate

1330-20-7 xylene

1330-20-7 xylene

· TSCA (Toxic Substances Control Act):

All components have the value ACTIVE.

· Hazardous Air Pollutants

1330-20-7 xylene

1330-20-7 xylene

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- 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)
1330-20-7 xylene: I
1330-20-7 xylene: I
- TLV (Threshold Limit Value)
112-07-2 2-butoxyethyl acetate: A3
1330-20-7 xylene: A4
1330-20-7 xylene: A4
77-58-7 dibutyltin dilaurate: A4
- 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

- Signal word Warning
- Hazard-determining components of labeling:
n-butyl acetate
bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
- Hazard statements
H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
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
P271 Use only outdoors or in a well-ventilated area.
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.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P312	Call a poison center/doctor if you feel unwell.
P321	Specific treatment (see on this label).
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 CO ₂ , powder or water spray to extinguish.
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.

- **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
 - H226 Flammable liquid and vapor.
 - H227 Combustible liquid.
 - H312 Harmful in contact with skin.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H332 Harmful if inhaled.
 - H336 May cause drowsiness or dizziness.
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.
- Department issuing SDS: Department of Quality Control
- Contact:
 - H.B BODY S.A
 - Ms Olympia Stamkou
 - Ph: +30 2310 790 032
 - fax: +30 2310 790 033
- Date of preparation / last revision 03/17/2023
- * Data compared to the previous version altered.