

1 Identification of the substance or mixture and of the supplier**Other means of identification**

- Trade name: **C894 CLEAR ULTRA HS 2:1**
- Article number: W030
- Relevant identified uses of the substance or mixture and uses advised against
- Life cycle stages IS Use at industrial Sites
- 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 PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
- 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:
 - Wyatt Machine Tools (Rupes) NZ Limited
 - Address: 388 Church Street, Penrose, Auckland
 - Ph (09) 525 1000; Fax (09) 525 1009
 - Emergency telephone number: NZ Emergency 0800 992 881 (0800WYATT1)
- Emergency telephone number:
 - 24 hr Medical Emergency, National Poisons Centre, 0800 764 766 (0800 POISON)

2 Hazards identification**Classification of the substance or mixture**

GHS02 flame

Flammable liquids Category 3

H226 Flammable liquid and vapour.

Hazardous to the aquatic environment chronic Category 3 H412 Harmful to aquatic life with long lasting effects.

Additional information:

- 3.1B Flammable liquid
- 3.1C Flammable liquid
- 9.1C Substances that are harmful in the aquatic environment

Label elements

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

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· Hazard pictograms



GHS02

· Signal word Warning

· Hazard statements

H226 Flammable liquid and vapour.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P240 Ground and bond container and receiving equipment.

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

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P403+P235 Store in a well-ventilated place. Keep cool.

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

· Other hazards

· Results of PBT and vPvB assessment

This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT). This mixture contains no substance that is considered to be very persistent or very bioaccumulating (vPvB).

· PBT: Not applicable.

· vPvB: Not applicable.

3 Composition/Information on ingredients

· Chemical characterisation: Mixtures

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

· Dangerous components:

CAS: 8050-15-5	Methyl ester of rosin (partially hydrogenated)	50-<60%
EINECS: 232-476-2	Hazardous to the aquatic environment chronic Category 3, H412	
CAS: 123-86-4	n-butyl ester	15-<20%
EINECS: 204-658-1	⚠ Flammable liquids Category 3, H226	
Index number: 607-025-00-1	⚠ Specific target organ toxicity - single exposure Category 3, H336	
RTECS: AF 7350000		
CAS: 110-12-3	5-methylhexan-2-one	15-<20%
EINECS: 203-737-8	⚠ Flammable liquids Category 3, H226	
Index number: 606-026-00-4	⚠ Acute inhalation toxicity Category 4, H332	
RTECS: MP 3850000		
CAS: 110-43-0	heptan-2-one	5-<10%
EINECS: 203-767-1	⚠ Flammable liquids Category 3, H226	
Index number: 606-024-00-3	⚠ Acute oral toxicity Category 4, H302; Acute inhalation toxicity Category 4, H332	
CAS: 41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	≥0.25-<0.9%
EINECS: 255-437-1	⚠ Hazardous to the aquatic environment acute Category 1, H400 (M=1); ⚠ Hazardous to the aquatic environment chronic Category 1, H410 (M=1)	
	⚠ Skin sensitisation Category 1, H317	
CAS: 82919-37-7	methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	≥0.1-<0.25%
EINECS: 280-060-4	⚠ Hazardous to the aquatic environment acute Category 1, H400 (M=1); ⚠ Hazardous to the aquatic environment chronic Category 1, H410 (M=1)	
	⚠ Skin sensitisation Category 1, H317	

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

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- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water.
- 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.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- **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
- Special 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.
HAZ CHEM CODE: 3YE

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures**

- Wear protective equipment. Keep unprotected persons away.
- **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.
Do not allow to enter sewers/ surface or ground water.
- **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.
- **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.

7 Handling and storage**Handling:**

- Precautions for safe handling No special precautions are necessary if used correctly.
- Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- Requirements to be met by storerooms and receptacles: No special requirements.

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- 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.

8 Exposure controls/personal protection**Control parameters**

- Ingredients with limit values that require monitoring at the workplace:

123-86-4 n-butyl ester

WES (New Zealand) Short-term value: 950 mg/m³, 200 ppm
Long-term value: 713 mg/m³, 150 ppm

IOELV (EU) Short-term value: 723 mg/m³, 150 ppm
Long-term value: 241 mg/m³, 50 ppm

110-12-3 5-methylhexan-2-one

WES (New Zealand) Short-term value: 233 mg/m³, 50 ppm
Long-term value: 93 mg/m³, 20 ppm

IOELV (EU) Long-term value: 95 mg/m³, 20 ppm

110-43-0 heptan-2-one

WES (New Zealand) Long-term value: 233 mg/m³, 50 ppm

IOELV (EU) Short-term value: 475 mg/m³, 100 ppm
Long-term value: 238 mg/m³, 50 ppm
Skin

- 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:
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
- Respiratory protection: Not required.
- 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

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- Eye protection:



Tightly sealed goggles

- Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

· Form:	Fluid
· 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:	124-128 °C
· Flash point:	23 - 60 °C
· Flammability	Flammable.
· Autoignition temperature:	370 °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:	1.2 Vol %
· Upper:	7.5 Vol %
· Vapour pressure at 20 °C:	10.7 hPa
· <u>Vapour pressure:</u>	
· Density at 20 °C:	0.973 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
· Dynamic:	Not determined.
· Kinematic at 20 °C:	0 mm ² /s
· Solvent content:	
· Organic solvents:	26.2 %
· VOC (EC)	419.0 g/l
· Solids content (volume):	73.8 %
· <u>Other information</u>	
· Particle characteristics	Not applicable.
· Physical state	Liquid

10 Stability and reactivity

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

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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.

11 Toxicological information**Information on toxicological effects**

Acute toxicity

LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50 23,194 mg/kg (rat)

Inhalative LC50/4 h 46.4 mg/l

123-86-4 n-butyl ester

Oral LD50 13,100 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

Inhalative LC50/4 h >21 mg/l (rat)

110-12-3 5-methylhexan-2-one

Oral LD50 3,200 mg/kg (rat)

Dermal LD50 10,000 mg/kg (rabbit)

Inhalative LC50/4 h 11 mg/l (ATE)

110-43-0 heptan-2-one

Oral LD50 1,670 mg/kg (rat)

Dermal LD50 12,600 mg/kg (rabbit)

Inhalative LC50/4 h 11 mg/l (ATE)

Primary irritant effect:

Skin corrosion/irritation No irritant effect.

Serious eye damage/irritation No irritating effect.

Respiratory or skin sensitisation No sensitising effects known.

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 product 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.

Ecotoxic effects:

Remark: Harmful to fish

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.

Harmful to aquatic organisms

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· **Results of PBT and vPvB assessment**

- PBT: This product contains no substance that is considered to be persistent, bioaccumulating or non toxic (PBT).
- vPvB: Not applicable.
- **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.

14 Transport information

· **UN-Number**

- NZS, IMDG, IATA UN1263

· **UN proper shipping name**

- NZS UN1263 PAINT RELATED MATERIAL
- IMDG, IATA PAINT RELATED MATERIAL

· **Transport hazard class(es)**

- NZS



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



- Class 3 Flammable liquids.
- Label 3

· **Packing group**

- NZS, IMDG, IATA III

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Warning: Flammable liquids.

- Hazard identification number (Kemler code): 30

- EMS Number: F-E, S-E

· **Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

- NZS
- 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
- Transport category 3
- Tunnel restriction code D/E

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- IMDG
 - Limited quantities (LQ)
 - Excepted quantities (EQ)
 - IATA
 - Remarks:
 - **UN "Model Regulation":**
- 5L
Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- HAZ CHEM CODE: 3YE
UN 1263 PAINT RELATED MATERIAL, 3, III

15 Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

None of the ingredients is listed.

New Zealand Inventory of Chemicals

All ingredients are listed.

HSNO Approval numbers

HSNO Approval number HSR 002662
Group standard name Surface Coatings and Colourants (Flammable) Group Standard 2006
HSNO Hazard classification Refer to section 2

123-86-4 n-butyl ester: HSR001091

110-12-3 5-methylhexan-2-one: HSR001200

110-43-0 heptan-2-one: HSR001084

- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS02

- **Signal word** Warning
- **Hazard statements**
 - H226 Flammable liquid and vapour.
 - H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**
 - P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 - P240 Ground and bond container and receiving equipment.
 - P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - P403+P235 Store in a well-ventilated place. Keep cool.
 - 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 P5c FLAMMABLE LIQUIDS**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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.

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- Reasons for alterations
- Relevant phrases
 - H226 Flammable liquid and vapour.
 - H302 Harmful if swallowed.
 - 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.
 - H412 Harmful to aquatic life with long lasting effects.
- **Contact:**
 - HB BODY S.A
 - Regulatory Officer
 - Ms Athina Kapourani
 - Ph: +30 2310 790000
 - email: a.kapourani@hbbody.com
- * Data compared to the previous version altered.

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Trade name: C894 CLEAR ULTRA HS 2:1**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 PROC8b** Transfer of substance or mixture (charging and discharging) at dedicated facilities**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 Fluid**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.

Use only on hard ground.

Other operational conditions affecting worker exposure

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

Avoid contact with the skin.

Avoid long-term or repeated skin contact.

Other operational conditions affecting consumer exposure No special measures required.**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.

Use product only in enclosed systems.

Ensure that suitable extractors are available on processing machines

Personal protective measures

Do not inhale gases / fumes / aerosols.

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

Measures for consumer protection

Ensure adequate labelling.

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.

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Do not allow to reach sewage system.

· **Soil**

The product is only processed over the concrete collecting basin.

Prevent contamination of soil.

· **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 technicians 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.