



Auto Refinishing Products

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Version no. 1

Safety Data Sheet
according to WHS Regulations

Hazardous according to criteria of Australian Safety and Compensation Council.

1 Identification

Product identifier

- Trade name: **COLOR SOLUTIONS BASECOAT MIX SYSTEM**
- Article number: 11205-A
- 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 PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- Environmental release category ERC2 Formulation into mixture
- Article category AC1 Vehicles
- Application of the substance / the mixture
 - Coating compound/ Surface coating/ paint
 - 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:
 - Sydney Automotive Paints & Equipment PTY LTD
 - Unit A3, 366 Edgar St. Condell Park NSW 2200
 - AUSTRALIA, Tel. +02 9772 9000 , +02 9772 9001

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Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM

· Emergency telephone number:

If poisoning occurs contact a doctor or Poisons Information Centre. Phone Australia 131 126, New Zealand 0800 764 766.

* 2 Hazard(s) Identification

· Classification of the substance or mixture



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



health hazard

Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.



STOT SE 3 H336 May cause drowsiness or dizziness.

· Label elements

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

· Hazard pictograms



GHS02



GHS07



GHS08

· Signal word Warning

· Hazard-determining components of labelling:

titanium dioxide (15-<20 %)

n-butyl acetate (45-<50 %)

1-methoxy-2-propanol (1-<5 %)

· Hazard statements

H226 Flammable liquid and vapour.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

H336 May cause drowsiness or dizziness.

· Precautionary statements

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

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P405 Store locked up.

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.

Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM**3 Composition and Information on Ingredients****Chemical characterisation: Mixtures**

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

Dangerous components:

CAS: 123-86-4	n-butyl acetate	45-<50%
EINECS: 204-658-1	Flam. Liq. 3, H226	
Index number: 607-025-00-1	STOT SE 3, H336	
RTECS: AF 7350000		
CAS: 13463-67-7	titanium dioxide	15-<20%
EINECS: 236-675-5	Carc. 2, H351	
Index number: 022-006-00-2		
CAS: 1330-20-7	xylene	1-<5%
EINECS: 215-535-7	Flam. Liq. 3, H226	
Index number: 601-022-00-9	Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	
RTECS: ZE 2100000		
CAS: 107-98-2	1-methoxy-2-propanol	1-<5%
EINECS: 203-539-1	Flam. Liq. 3, H226	
Index number: 603-064-00-3	Acute Tox. 3, H331	
RTECS: UB 7700000	STOT SE 3, H336	
CAS: 100-41-4	ethylbenzene	1-<5%
EINECS: 202-849-4	Flam. Liq. 2, H225	
Index number: 601-023-00-4	STOT RE 2, H373; Asp. Tox. 1, H304	
RTECS: DA 0700000	Acute Tox. 4, H332; Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319	
CAS: 872-50-4	1-methyl-2-pyrrolidone	≥0-<0.3%
EINECS: 212-828-1	Repr. 1B, H360	
Index number: 606-021-00-7	Skin Irrit. 2, H315; Serious eye damage/irritation – Category 2A, H319; STOT SE 3, H335	
RTECS: UY 5790000	Flam. Liq. 4, H227	

SVHC

872-50-4 1-methyl-2-pyrrolidone

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

4 First Aid Measures

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**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.

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Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM**Advice for firefighters**

Firefighters should always use 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.

6 Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Dilute with plenty of water.

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

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Storage:

Requirements to be met by storerooms and receptacles: Store outdoors.

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 and personal protection

Additional information about design of technical facilities: No further data; see section 7.

Ingredients with limit values that require monitoring at the workplace:

123-86-4 n-butyl acetate

WES Short-term value: 950 mg/m³, 200 ppm

Long-term value: 713 mg/m³, 150 ppm

1330-20-7 xylene

WES Short-term value: 655 mg/m³, 150 ppm

Long-term value: 350 mg/m³, 80 ppm

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Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM**107-98-2 1-methoxy-2-propanol**WES Short-term value: 553 mg/m³, 150 ppmLong-term value: 369 mg/m³, 100 ppm**100-41-4 ethylbenzene**WES Short-term value: 543 mg/m³, 125 ppmLong-term value: 434 mg/m³, 100 ppm**872-50-4 1-methyl-2-pyrrolidone**WES Short-term value: 309 mg/m³, 75 ppmLong-term value: 103 mg/m³, 25 ppm

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· Additional information: The lists valid during the making were used as basis.

· **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.

Store protective clothing separately.

· **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.

· **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**· **General Information**· **Appearance:**· **Form:**

Fluid

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Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM

· Colour:	Different according to colouring
· 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 (solid, gas):	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:	1.1 Vol %
· Upper:	7.5 Vol %
· Vapour pressure at 20 °C:	10.7 hPa
· Density at 20 °C:	0.988 g/cm ³
· Relative density	Not determined.
· Vapour 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:	57.7 %
· VOC (EC)	570.3 g/l
· Solids content (volume):	19.0 %
· Other information	No further relevant information available.

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **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 Based on available data, the classification criteria are not met.

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Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Dermal LD50 42,265 mg/kg (rabbit)

Inhalative LC50/4 h 122 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)

13463-67-7 titanium dioxide

Oral LD50 >20,000 mg/kg (rat)

Dermal LD50 >10,000 mg/kg (rabbit)

Inhalative LC50/4 h >6.82 mg/l (rat)

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)

107-98-2 1-methoxy-2-propanol

Oral LD50 5,660 mg/kg (rat)

Dermal LD50 13,000 mg/kg (rabbit)

Inhalative LC50/4 h 6 mg/l (rat)

100-41-4 ethylbenzene

Oral LD50 3,500 mg/kg (rat)

Dermal LD50 17,800 mg/kg (rabbit)

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

872-50-4 1-methyl-2-pyrrolidone

Oral LD50 3,914 mg/kg (rat)

Dermal LD50 8,000 mg/kg (rabbit)

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Suspected of causing cancer. Route of exposure: Inhalation.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure May cause drowsiness or dizziness.
- STOT-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**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

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Trade name: **COLOR SOLUTIONS BASECOAT MIX SYSTEM**

· **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 2 (German Regulation) (Self-assessment): hazardous for water
- Do not allow product to reach ground water, water course or sewage system.
- Danger to drinking water if even small quantities leak into the ground.

· **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.

* 14 Transport information

· **UN-Number**

- ADG, IMDG, IATA UN1263

· **UN proper shipping name**

- ADG UN1263 PAINT
- IMDG, IATA PAINT

· **Transport hazard class(es)**

- ADG



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



- Class 3 Flammable liquids.
- Label 3
- **Packing group**
- ADG, IMDG, IATA III

Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM

- **Environmental hazards:**
- Marine pollutant: No
- **Special precautions for user** Warning: Flammable liquids.
- Hazard identification number (Kemler code): 30
- EMS Number: F-E, S-E
- Stowage Category A
- **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:**
- ADG
- 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
- 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**

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

None of the ingredients is listed.

· **Australian Inventory of Industrial Chemicals**

123-86-4 n-butyl acetate

13463-67-7 titanium dioxide

68131-99-7 polymer

9004-36-8 cellulose acetate butyrate

CAB 381-20

CAB 381-2

CAB 381-0.1

1330-20-7 xylene

107-98-2 1-methoxy-2-propanol

100-41-4 ethylbenzene

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

64742-95-6 Solvent naphtha (petroleum), light arom.

872-50-4 1-methyl-2-pyrrolidone

7664-38-2 phosphoric acid

7447-41-8 lithium chloride

· **Standard for the Uniform Scheduling of Medicines and Poisons**

1330-20-7 xylene: S6

872-50-4 1-methyl-2-pyrrolidone: S5, S6

Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM

7664-38-2 phosphoric acid: S5, S6

· Australia: Priority Existing Chemicals

None of the ingredients is listed.

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

· Hazard pictograms



GHS02 GHS07 GHS08

· Signal word Warning

· Hazard-determining components of labelling:

titanium dioxide (15-<20 %)

n-butyl acetate (45-<50 %)

1-methoxy-2-propanol (1-<5 %)

· Hazard statements

H226 Flammable liquid and vapour.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

H336 May cause drowsiness or dizziness.

· Precautionary statements

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

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P405 Store locked up.

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

· **National regulations:**

· Other regulations, limitations and prohibitive regulations

· Substances of very high concern (SVHC) according to REACH, Article 57

872-50-4 1-methyl-2-pyrrolidone

· **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.

· Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

· **Department issuing SDS:** Department of Quality Control

· **Contact:**

HB BODY S.A

Ms Olympia Stamkou

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· * Data compared to the previous version altered.

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Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM

* **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 PROC8a** Transfer of substance or mixture (charging and discharging) at non-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** Use only on hard ground.

· **Other operational conditions affecting worker exposure**

Avoid contact with the skin.

Do not breathe gas/vapour/aerosol.

Take precautionary measures against static discharge.

Keep away from sources of ignition - No smoking.

Avoid contact with eyes.

· **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**

Use product only in enclosed systems.

Ensure that suitable extractors are available on processing machines

Provide explosion-proof electrical equipment.

· **Personal protective measures**

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

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.

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

Pregnant women should strictly avoid inhalation or skin contact.

Avoid contact with the eyes.

Tightly sealed goggles

Trade name: COLOR SOLUTIONS BASECOAT MIX SYSTEM**· 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.

Do not allow to reach sewage system.

· Soil

Prevent contamination of 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 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.