



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: **BODY 627 HARDENER FAST**

· Article number: 113172

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

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

· 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:

Sydney Automotive Paints & Equipment PTY LTD

Unit A3, 366 Edgar St. Condell Park NSW 2200

AUSTRALIA, Tel. +02 9772 9000 , +02 9772 9001

· Emergency telephone number:

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

2 Hazard(s) Identification

· Classification of the substance or mixture



flame

Flammable liquids – Category 3

H226 Flammable liquid and vapour.

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Trade name: BODY 627 HARDENER FAST



health hazard

Specific target organ toxicity (repeated exposure) – Category 2 H373 May cause damage to organs through prolonged or repeated exposure.



Skin corrosion/irritation – Category 2

H315 Causes skin irritation.

Eye damage/irritation – Category 2A

H319 Causes serious eye irritation.

Skin sensitisation – Category 1

H317 May cause an allergic skin reaction.

Specific target organ toxicity (single exposure) – Category 3

H335 May cause respiratory irritation.

Specific target organ toxicity (single exposure) – Category 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:

Isocyanates (30-<35 %)

n-butyl ester (35-<40 %)

xylene (20-<25 %)

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

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

Precautionary statements

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

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

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

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.

Trade name: BODY 627 HARDENER FAST

· vPvB: Not applicable.

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 ester	35-<40%
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: 28182-81-2	Isocyanates	30-<35%
NLP: 500-060-2	⚠ Skin sensitisation – Category 1, H317	
CAS: 1330-20-7	xylene	20-<25%
EINECS: 215-535-7	⚠ Flammable liquids – Category 3, H226	
Index number: 601-022-00-9	⚠ Specific target organ toxicity (repeated exposure) – Category 2, H373; Aspiration hazard – Category 1, H304	
	⚠ Acute toxicity - dermal – Category 4, H312; Skin corrosion/irritation – Category 2, H315; Eye damage/irritation – Category 2A, H319; Specific target organ toxicity (single exposure) – Category 3, H335	
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	1-<5%
EINECS: 203-603-9	⚠ Flammable liquids – Category 3, H226	
Index number: 607-195-00-7		
CAS: 160994-68-3	hydrophilic aliphatic polyisocyanate	≥0.1-<0.9%
	⚠ Acute toxicity - inhalation – Category 4, H332; Skin sensitisation – Category 1B, H317; Specific target organ toxicity (single exposure) – Category 3, H335	
CAS: 77-58-7	dibutyltin dilaurate	≥0-<0.3%
EINECS: 201-039-8	⚠ Acute toxicity - oral – Category 3, H301	
Index number: 050-030-00-3	⚠ Germ cell mutagenicity – Category 2, H341; Reproductive toxicity – Category 1B, H360FD; Specific target organ toxicity (repeated exposure) – Category 1, H372	
RTECS: WH 7000000		

· **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 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 contact lenses in case of eye contamination and irrigate 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.

Trade name: BODY 627 HARDENER FAST**5 Fire Fighting Measures**

- **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**
During heating or in case of fire poisonous gases are produced.
- **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:** Mouth respiratory protective device.
- **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**
Mount respiratory protective device.
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:**
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.
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: No special requirements.
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 esterWES Short-term value: 950 mg/m³, 200 ppmLong-term value: 713 mg/m³, 150 ppmContinue on page 5
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Trade name: BODY 627 HARDENER FAST**28182-81-2 Isocyanates**WES Short-term value: 0.07 mg/m³Long-term value: 0.02 mg/m³

Sen, as -NCO

1330-20-7 xyleneWES Short-term value: 655 mg/m³, 150 ppmLong-term value: 350 mg/m³, 80 ppm**108-65-6 2-methoxy-1-methylethyl acetate**WES Short-term value: 548 mg/m³, 100 ppmLong-term value: 274 mg/m³, 50 ppm

Sk

77-58-7 dibutyltin dilaurateWES Short-term value: 0.2 mg/m³Long-term value: 0.1 mg/m³

as Sn, Sk: Note (g)

- Regulatory information WES: Workplace exposure standards for airborne contaminants
- 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.
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.
- **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

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Trade name: BODY 627 HARDENER FAST

- Body protection: Protective work clothing

9 Physical and Chemical Properties**General Information**

- Appearance:

- Form:

Fluid

- Colour:

According to product specification

- 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:

1.2 Vol %

- Upper:

7.5 Vol %

- **Vapour pressure at 20 °C:**

9.8 hPa

- **Density at 20 °C:**

0.88919 g/cm³

- 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 mm²/s

- **Solvent content:**

- Organic solvents:

64.6 %

- VOC (EC)

574.8 g/l

- Solids content (volume):

0.0 %

- **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.

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Trade name: BODY 627 HARDENER FAST

- **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.
- **LD/LC50 values relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral LD50 109,375 mg/kg (rat)

Dermal LD50 9,259 mg/kg (rabbit)

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)

1330-20-7 xylene

Oral LD50 4,300 mg/kg (rat)

Dermal LD50 2,000 mg/kg (rabbit)

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

Oral LD50 8,532 mg/kg (rat)

Inhalative LC50/4 h 35.7 mg/l (rat)

160994-68-3 hydrophilic aliphatic polyisocyanate

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

77-58-7 dibutyltin dilaurate

Oral LD50 175 mg/kg (rat)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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.
- **STOT-single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
- **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
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.

Trade name: **BODY 627 HARDENER FAST**

- 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: 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**
- 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
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Warning: Flammable liquids.
- Hazard identification number (Kemler code): 30
- EMS Number: F-E, S-E

Trade name: BODY 627 HARDENER FAST

- 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

•3Y

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

- 28182-81-2 Isocyanates (30-<35%)
- Australian Inventory of Industrial Chemicals

 - 123-86-4 n-butyl ester
 - 28182-81-2 Isocyanates
 - 1330-20-7 xylene
 - 108-65-6 2-methoxy-1-methylethyl acetate
 - 149-73-5 methyl orthoformate
 - 77-58-7 dibutyltin dilaurate
 - 822-06-0 hexamethylene-di-isocyanate
- Standard for the Uniform Scheduling of Medicines and Poisons

 - 1330-20-7 xylene: S6
- Australia: Priority Existing Chemicals

 - 28182-81-2 Isocyanates
- **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:
 - Isocyanates (30-<35 %)
 - n-butyl ester (35-<40 %)
 - xylene (20-<25 %)

Trade name: BODY 627 HARDENER FAST**Hazard statements**

- H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- 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
- **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

- H226 Flammable liquid and vapour.
- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H341 Suspected of causing genetic defects.
- H360FD May damage fertility. May damage the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H373 May cause damage to organs through prolonged or repeated exposure.

Contact:

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- * Data compared to the previous version altered.

Trade name: BODY 627 HARDENER FAST**Annex: Exposure scenario****Short title of the exposure scenario**

Product category PC9a Coatings and paints, thinners, paint removers

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.

Other operational conditions

Other operational conditions affecting environmental exposure No special measures required.

Other operational conditions affecting worker exposure

Avoid contact with eyes.

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.

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 exhaust 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

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes.

Tightly sealed goggles

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.

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.

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

Disposal measures Ensure that waste is collected and contained.

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Trade name: BODY 627 HARDENER FAST

· **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.