Hazardous according to criteria of Australian Safety and Compensation Council.

* 1 Identification

· Product identifier

· **Trade name: BODY 410 CHASSIS COAT PRIMER**

· **Article number:** 735

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

· **Life cycle stages** PW Widespread use by professional workers

· **Sector of Use** SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

· **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** ERC3 Formulation into solid matrix

· **Article category** AC7 Metal articles

· **Technical function** Corrosion inhibitor

· **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

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Trade name: **BODY 410 CHASSIS COAT PRIMER**

· **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

Flam. Liq. 3 H226 Flammable liquid and vapour.


health hazard

Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.
STOT RE 2 H373 May cause damage to the central nervous system through prolonged or repeated exposure.

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


GHS02 GHS08

· **Signal word** Warning
· **Hazard-determining components of labelling:**
Solvent naphtha (petroleum), light arom.
titanium dioxide
Low boiling point hydrogen treated naphtha
· **Hazard statements**
H226 Flammable liquid and vapour.
H351 Suspected of causing cancer. Route of exposure: Inhalation.
H373 May cause damage to the central nervous system through prolonged or repeated exposure.
· **Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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.

* 3 Composition and Information on Ingredients

· Chemical characterisation: Mixtures
· **Description:** Mixture of hazardous substances listed below with nonhazardous additions.

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· **Dangerous components:**

	Alkyd resin Flam. Liq. 3, H226	50-<60%
CAS: 471-34-1 EINECS: 207-439-9 RTECS: EV 9580000	calcium carbonate	25-<30%
CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H332; STOT SE 3, H335-H336	5-<10%
CAS: 64742-82-1 EINECS: 265-185-4 Index number: 649-330-00-2	Low boiling point hydrogen treated naphtha Flam. Liq. 3, H226 STOT RE 1, H372; Asp. Tox. 1, H304	5-<10%
CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide Carc. 2, H351	1-<5%
CAS: 96-29-7 EINECS: 202-496-6 Index number: 616-014-00-0	2-butanone oxime Acute Tox. 3, H301 Carc. 2, H351; STOT SE 1, H370; STOT RE 2, H373 Eye Dam. 1, H318 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H336 Flam. Liq. 4, H227	≥0.1-<0.9%
	Cobalt (II) salts Acute Tox. 3, H301 Skin Irrit. 2, H315; Skin Sens. 1, H317 Flam. Liq. 4, H227	≥0.25-<0.9%

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

*

4 First Aid Measures

· Description of first aid measures

· **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **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 During heating or in case of fire poisonous gases are produced.

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AU

· 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 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 item 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.
· 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 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 item 7.
· Control parameters
· **Ingredients with limit values that require monitoring at the workplace:**
471-34-1 calcium carbonate
WES Long-term value: 10 mg/m³
· **Additional information:** The lists valid during the making were used as basis.

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· Exposure controls
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
· **For the permanent contact gloves made of the following materials are suitable:** Fluorocarbon rubber (Viton)
· **For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**
Rubber gloves
· **Eye protection:**


Tightly sealed goggles

· **Body protection:** Protective work clothing

* 9 Physical and Chemical Properties

· Information on basic physical and chemical properties
· **General Information**
· **Appearance:**

Form:	Liquid
Colour:	Grey
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	36 °C
· **Flash point:**	23 - 60 °C

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· **Flammability (solid, gas):**	Not applicable.
· **Autoignition temperature:**	296 °C
· **Decomposition temperature:**	Not determined.
· **Auto-ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Risk of explosion by shock, friction, fire or other sources of ignition.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapour pressure:**	Not determined.
· **Density at 20 °C:**	1.2 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:	Not determined.
· **Solvent content:**	
Organic solvents:	6.6 %
VOC (EC)	480.0 g/l
Solids content (volume):	62.9 %
· Other information	No further relevant information available.

10 Stability and Reactivity

· Reactivity No further relevant information available.
· Chemical stability
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· Possibility of hazardous reactions No dangerous reactions known.
· Conditions to avoid No further relevant information available.
· Incompatible materials: No further relevant information available.
· Hazardous decomposition products: No dangerous decomposition products known.

*
11 Toxicological Information

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

ATE (Acute Toxicity Estimates)

Oral	LD50	13,303 mg/kg
Dermal	LD50	>53,214 mg/kg (rab)
Inhalative	LC50/4 h	>80.2 mg/l (rat)

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471-34-1 calcium carbonate
Oral LD50 6,450 mg/kg (rat)
64742-95-6 Solvent naphtha (petroleum), light arom.
Oral LD50 >6,800 mg/kg (rat)
Dermal LD50 >3,400 mg/kg (rab)
Inhalative LC50/4 h >10.2 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)
96-29-7 2-butanone oxime
Oral LD50 100 mg/kg (ATE)
3,700 mg/kg (rat)
Dermal LD50 1,100 mg/kg (ATE)
200-2,000 mg/kg (rat)
Inhalative LC50/4 h 20 mg/l (rat)
Cobalt (II) salts
Oral LD50 100 mg/kg (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.
· **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
Carc. 2

12 Ecological Information

· Toxicity
· **Aquatic toxicity:**
This product is not toxic for the aquatic life. Nevertheless do not dispose the product or any cleaning solvents used along with this product into the sea
· Persistence and degradability
This prouduct contains polyesteric molecules and organic solvents and is not known to be bioaccumulative. It can be considered as biodegradable in small quantities. In case of disposal, it should be treated as a hazardous material and should be disposed accordingly. Do not just throw it away
· Behaviour in environmental systems:
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· Additional ecological information:
· **General notes:**
Water hazard class 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.

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AU

Trade name: **BODY 410 CHASSIS COAT PRIMER**

· 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

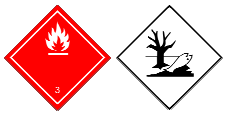
· Waste treatment methods
· **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
· Uncleaned packaging:
· **Recommendation:** Disposal must be made according to official regulations.

*

14 Transport information

· UN-Number
· **ADG, IMDG, IATA** UN1263
· UN proper shipping name
· **ADG** UN1263 PAINT, ENVIRONMENTALLY HAZARDOUS
· **IMDG** PAINT (Alkyd resin, Solvent naphtha (petroleum), light arom.), MARINE POLLUTANT
· **IATA** PAINT
· Transport hazard class(es)
· **ADG**

· **Class** 3 (F1) Flammable liquids.
· **Label** 3
· **IMDG**



· **Class** 3 Flammable liquids.
· **Label** 3
· **IATA**

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

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Trade name: **BODY 410 CHASSIS COAT PRIMER**

· Environmental hazards:	Product contains environmentally hazardous substances: Low boiling point hydrogen treated naphtha
· **Marine pollutant:**	Symbol (fish and tree)
· **Special marking (ADG):**	Symbol (fish and tree)
· 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, ENVIRONMENTALLY HAZARDOUS

* 15 Regulatory information

•3Y

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

None of the ingredients is listed.

· **Australian Inventory of Industrial Chemicals**

471-34-1 calcium carbonate
64742-95-6 Solvent naphtha (petroleum), light arom.
64742-82-1 Low boiling point hydrogen treated naphtha
13463-67-7 titanium dioxide
7779-90-0 trizinc bis(orthophosphate)
96-29-7 2-butanone oxime
93685-90-6 Lecithins, egg yolk
71-36-3 butan-1-ol
1333-86-4 Carbon black
60676-86-0 Silica, fused
1332-37-2 Iron oxide
14808-60-7 Quartz (SiO2)

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

96-29-7 2-butanone oxime: S6
71-36-3 butan-1-ol: S5, S6

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· **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 GHS08

· **Signal word** Warning

· **Hazard-determining components of labelling:**
Solvent naphtha (petroleum), light arom.
titanium dioxide
Low boiling point hydrogen treated naphtha

· **Hazard statements**
H226 Flammable liquid and vapour.
H351 Suspected of causing cancer. Route of exposure: Inhalation.
H373 May cause damage to the central nervous system through prolonged or repeated exposure.

· **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or 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**
E2 Hazardous to the Aquatic Environment
P5c FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 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.
H227 Combustible liquid.
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.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.

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H370 Causes damage to organs.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.

· **Contact:**
HB BODY S.A
Ms Olympia Stamkou
Ph: +30 2310 790 032
fax: +30 2310 790 033
email: stamkou@hbbody.com

· **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Flam. Liq. 4: Flammable liquids – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Carc. 2: Carcinogenicity – Category 2
STOT SE 1: Specific target organ toxicity (single exposure) – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

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* 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
· **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** AC7 Metal articles
· **Environmental release category** ERC3 Formulation into solid matrix
· **Technical function** Corrosion inhibitor
· 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** 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.
Do not allow to reach sewage system.

Continue on page 13

Trade name: **BODY 410 CHASSIS COAT PRIMER**

· **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 technitians only.
· 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.