

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

<b>NAME OF THE PRODUCT</b>	U404 Universal guide coat black 400 ml
<b>CODE</b>	110032
<b>DISTRIBUTOR</b>	BOSSAUTO INNOVA, S.A.
<b>ADDRESS</b>	c/ Thomas Edison 16, Apartado de correos 95
<b>CITY</b>	08430 La Roca del Vallés (Barcelona)
<b>TEL</b>	+ 34 93 860 49 23
<b>FAX</b>	+34 93 871 23 36
<b>E-MAIL</b>	<a href="mailto:info@bossauto.com">info@bossauto.com</a>
<b>WEB</b>	<a href="http://www.bossauto.com">www.bossauto.com</a>

### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### A. Regulation n°1272/2008 (CLP)



GHS08 Health hazard

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

#### 2.2. Label elements

##### A. CLP Regulation (EC) n°1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms**



GHS02



GHS07

• **Warning word**

Danger

• **Hazardous components that have to be labelled:**

acetone  
 n-butyl acetate  
 butan-1-ol

• **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.

• **Precautionary statements**

P102 Keep out of reach of children.  
 P260 Do not breathe spray.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P251 Do not pierce or burn, even after use.  
 P211 Do not spray on an open flame or other ignition source.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
 P501 Dispose of contents/container in accordance with local regulations.

• **Additional information**

EUH066 Repeated exposure may cause skin dryness or cracking.

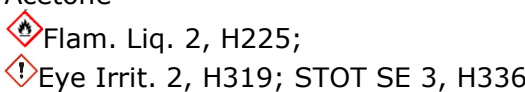
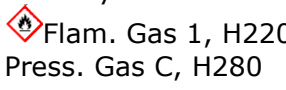
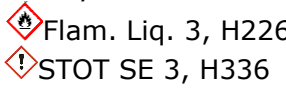
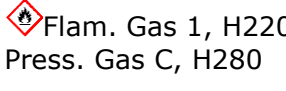
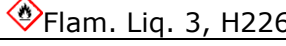
**2.3. Other hazards**







Results of PBT and vPvB assessment  
 PBT: Not applicable.  
 vPvB: Not applicable.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Chemical characterisation: Mixtures**

Description: Mixture of substances listed below with nonhazardous additions.

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-xxxx	Acetone 	25-50%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37-xxxx	dimethyl ether 	20-25%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate 	12,5-20%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane 	5-10%
CAS: 108-65-6 EINECS: 203-603-9	2-methoxy-1-methylethyl acetate 	5-10%

Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-xxxx		
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane  Flam. Gas 1, H220 Press. Gas C, H280	5-10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27-xxxx	isobutane  Flam. Gas 1, H220 Press. Gas C, H280	5-10%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38-xxxx	butan-1-ol  Flam. Liq. 3, H226  Eye Dam. 1, H318  Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-2,5%
CAS: 9004-70-0	nitrocellulose solutions, with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose  Flam. Sol. 1, H228	1-2,5%

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

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### A. After inhalation

Supply fresh air; consult doctor in case of complaints.

#### B. After skin contact

Generally the product does not irritate the skin.

#### C. After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

#### D. After swallowing

Drink plenty of water and provide fresh air. Call for a doctor immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

No further relevant information available

### 4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5. FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

### 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3. Advice for firefighters

Special protective equipment: No special measures required.

## 6. ACCIDENTAL RELEASE MEASURES

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### 6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep away from ignition sources.

### 6.2. Environmental precautions

Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.

### 6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation.

### 6.4. Reference to other sections

See section 7 for information on safe handling.  
See section 8 for information on personal protection equipment.  
See section 13 for disposal information.

## 7. HANDLING AND STORAGE

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### 7.1. Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.

#### A. Information about fire - and explosion protection

Do not spray onto a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

### 7.2. Conditions for a safety storage, including incompatibilities

#### A. Storage

- **Requirements to be met by storerooms and receptacles**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility**

Not required.

- **Further information about storage conditions:**

Protect from heat and direct sunlight.

### 7.3. Specific end uses

No further relevant information available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

## 8.1. Control parameters

### A. Ingredients with limit values that require monitoring at the workplace

67-64-1 acetone
WEL Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
115-10-6 dimethyl ether
WEL Short-term value: 958 mg/m <sup>3</sup> , 500 ppm Long-term value: 766 mg/m <sup>3</sup> , 400 ppm
123-86-4 n-butyl acetate
WEL Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
108-65-6 2-methoxy-1-methylethyl acetate
WEL Short-term value: 548 mg/m <sup>3</sup> , 100 ppm Long-term value: 274 mg/m <sup>3</sup> , 50 ppm Sk
106-97-8 butane
WEL Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
71-36-3 butan-1-ol
WEL Short-term value: 154 mg/m <sup>3</sup> , 50 ppm Sk

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

## 8.2. Exposure control

### A. 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.  
 Do not inhale gases / fumes / aerosols.  
 Avoid contact with the eyes.  
 Avoid contact with the eyes and skin.

- **Respiratory protection**

Not required.

- **Protection of hands**

Not required.

- Material of gloves

Not required.

- Penetration time of glove material

Not required.

- **Eye protection**



Tightly sealed goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Form	Aerosol
Colour	Black
Odour	Solvent-like
Odour threshold	Not determined
pH value	Not determined
Melting point/melting range	Not determined
Boiling point/boiling range	Not applicable, as aerosol.
Flash point	<0 °C (<32 °F). Not applicable, as aerosol.
Flammability (solid, gas)	Not applicable
Self-ignition	240 °C (464 °F)
Decomposition	Not determined
Self-ignition	This product is no self-igniting.
Danger of explosion	This product is no explosive; however, formation of explosive air/vapour mixtures are possible.
Lower explosive limit	1.2 Vol %
Upper explosive limit	26.2 Vol %
Vapour pressure at 20°C (68 °F)	4000 hPa (3000 mm Hg)
Density at 20°C (68 °F)	0,711 g/cm <sup>3</sup>
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility/miscibility in water at 20°C	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic at 20°C	Not determined
Kinematic	Not determined
Solvent content	
Organic solvents	92.0 %
EU-VOC	704.7 g/l
EU-VOC in %	91.97 %
Water	0.3 %
Solids content	9.6 %

### 9.2. Additional information

No further relevant data available.

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No further relevant information available.

### 10.2. Chemical stability

Thermal decomposition/ conditions to avoid: No decomposition if used according to specifications.

### 10.3. Dangerous reactions

No dangerous reactions are known.

#### 10.4. Conditions to avoid

No further relevant information available.

#### 10.5. Incompatible materials

No further relevant information available.

#### 10.6. Dangerous decomposition products

No dangerous decomposition products are known.

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological

##### A. Acute toxicity

Based on available data, the classification criteria are not met.

LD/LC50 values (Lethal dose/lethal dose=50%) relevant for classification

67-64-1 acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	7800 mg/kg (rbt)
Inhalative	LC50/4h	39 mg/m <sup>3</sup> (rat)
115-10-6 dimethyl ether		
Inhalative	LC50/4h	308 mg/m <sup>3</sup> (rat)
123-86-4 n-butyl acetate		
Oral	LD50	10770 mg/kg (rat)
Dermal	LD50	>17600 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>21.0 mg/m <sup>3</sup> (rat)
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	8532 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	35.7 mg/m <sup>3</sup> (rat)
106-97-8 butane		
Inhalative	LC50 / 4 h	658000 mg/m <sup>3</sup> (rat)
71-36-3 butan-1-ol		
Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3430 mg/kg (rabbit)
Inhalative	LC50/4h	17.76 mg/m <sup>3</sup> (rat)

##### A. Primary irritant effect

- **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

- **Serious eye damage/irritation**

Causes serious eye irritation.

- **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

##### B. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

- **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 drowsiness or dizziness.

- **STOT-repeated exposure**

Causes damage to organs through prolonged or repeated exposure.

- **Aspiration hazard**

Based on available data, the classification criteria are not met.

## 12. ECOLOGICAL INFORMATION

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### 12.1. Toxicity

#### A. Aquatic toxicity

67-64-1 acetone
EC50 / 48 h 8800 mg/l (daphnia magna) LC50 / 48 h 2262 mg/l (daphnia magna) LC50 / 96 h (static) 5540 mg/l (fish)
115-10-6 dimethyl ether
EC50 / 48 h >4000 mg/l (daphnia magna)
123-86-4 n-butyl acetate
EC50 / 48 h 44 mg/l (daphnia magna) EC50 / 96 h 320 mg/l (algae) LC50 / 24 h 205 mg/l (daphnia magna) LC50 / 96 h 18 mg/l (Pimephales promelas)
108-65-6 2-methoxy-1-methylethyl acetate
EC50 408 mg/l (daphnia magna)
71-36-3 butan-1-ol
EC50 / 48 h 1328 mg/l (daphnia magna) EC50 / 72 h 8500 mg/l (algae) LC50 / 96 h 1376 mg/l (Pimephales promelas)

#### 12.2. Persistence and degradability

No further relevant information available.

#### 12.3. Bioaccumulation potential

No further relevant information available.

#### 12.4. Mobility in soil

No further relevant information available.

#### A. Additional environmental directions

· General directions:

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.

#### 12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.



**12.6. Other adverse effects**

No further information available.

**13. DISPOSAL CONSIDERATIONS**

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**13.1. Waste treatment methods**

Recommendation: must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue
08 01 11* waste paint and varnish containing organic solvents or other hazardous substances
15 01 04 metallic packaging

**13.2. Uncleansed packages**

Recommendation: Non contaminated packagings may be recycled.

**14. TRANSPORT INFORMATION**

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**14.1. UN-Number**

ADR, IMDG, IATA: UN1950

**14.2. UN proper shipping name**

ADR: 1950 AEROSOLS

IMDG: AEROSOLS

IATA: AEROSOLS, Flammable

**14.3. Transport hazard class**

ADR



Class: 2 5F Gases

Label: 2.1

IMDG, IATA



Class: 2.1

Label: 2.1

**14.4. Packaging group**

Marine pollutant: Void

**14.5. Environmental hazards**

Marine Pollutant: No

**14.6. Special precautions for users**

- Warning: Gases
  - Kemler number: -
  - EMS number: F-D,S-U

- Stowage Code SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
- Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS:
- Segregation as for the appropriate subdivision of class 2.

#### **14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable.

#### **A. Transport/additional data**

ADR

Limited quantities (LQ): 1L

Excepted quantities (EQ) Code: E0

Not allowed as excepted quantity

Transport category 2

Tunnel restriction code: D

IMDG

Limited quantities (LQ): 1L

Excepted quantities (EQ) Code: E0

Not allowed as excepted quantity

UN "Model Regulation": UN1950 AEROSOLS, 2.1

### **15. REGULATORY INFORMATION**

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#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

##### **A. Directive 2012/18/EU**

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

##### **15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

### **16. OTHER INFORMATION**

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This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### **A. Relevant phrases**

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H228 Flammable solid.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.

## B. Abbreviations and acronyms

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport 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

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1: Flammable gases – Category 1

Aerosol 1: Aerosols – Category 1

Press. Gas C: Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Flam. Sol. 1: Flammable solids – Category 1

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

The statements made here should describe the product with regard to the necessary safety precautions – they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility