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SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

NAME OF THE PRODUCT	CERATEX 20000 Cavity wax spray in white 500 ml
CODE	110063
DISTRIBUTOR	BOSSAUTO INNOVA, S.A.
ADRESS	c/ Thomas Edison 16, Apartado de correos 95
CITY	08430 La Roca del Vallés (Barcelona)
TEL	+ 34 93 860 49 23
FAX	+34 93 871 23 36
E-MAIL	info@bossauto.com
WEB	www.bossauto.com

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

A. Regulation nº1272/2008 (CLP)


GHS02 Flame
Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.


GHS08 Health hazard
Asp. Tox. 1 H372 Causes damage to organs through prolonged or repeated exposure.


GHS09 Environment
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.


GHS07
Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2. Label elements

A. CLP Regulation (EC) nº1272/2008

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

- **Hazard pictograms**

GHS02 GHS07 GHS08 GHS09

- **Warning word**

Danger

- **Hazardous components that have to be labelled**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Hydrocarbon, C9-C12, n-alkanes,iso-alkenes, cyclic, aromates (2-25%)

- **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P251 Pressurized container: Do not pierce or burn, even after use.
P260 Do not breathe dust/fume/gas/mist/vapours/ spray.
P211 Do not spray on an open flame or other ignition source.
P280 Wear protective gloves / eye protection.
P273 Avoid release to the environment.
P271 Use only outdoors or in a well-ventilated area.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P403 Store in a well-ventilated place.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Description: Active substance with propellant

921-024-6 Reg. Nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	25-<50%
CAS: 106-97-8 EINECS: 203-448-7 Reg. Nr.: 01-2119474691-32	Butane (containing < 0.1% butadiene (203-450-8)) Flam. Gas 1, H220; Press. Gas, H280	10-<25%
CAS: 74-98-6 EINECS: 200-827-9 Reg. Nr.: 01-2119486944-21	Propane Flam. Gas 1, H220; Press. Gas, H280	10-<25%
919-446-0 Reg.nr.: 01-2119458049-33	Hydrocarbon, C9-C12, n-alkanes,iso-alkenes, cyclic, aromates(2-25%) Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	15-<20%
CAS: 8002-74-2 EINECS: 232-315-6	Paraffin waxes and Hydrocarbon waxes substance with a Community workplace exposure limit	2,5-<10%

4. FIRST AID MEASURES

4.1. Description of first aid measures

A. After inhalation

In case of unconsciousness place patient stably in side position for transportation.

B. After skin contact

Immediately wash with water and soap and rinse thoroughly.

C. After eye contact

Rinse opened eye for several minutes under running water.

D. After swallowing

Do not induce vomiting; call for medical help 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

A. Suitable extinguishing agents

Carbon dioxide, water haze, fire-fighting powder, alcohol resistant foam.

B. 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: Mouth respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.

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.
Do not flush with water or aqueous cleansing agents.

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

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**

Observe official regulations on storing packagings with pressurized containers.

- **Further information about storage conditions**

Keep receptacle tightly sealed.
Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.

7.3. Specific end uses
No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

106-97-8 butane (containing < 0.1% butadiene)	
LEP	Long-term value: 1000 ppm
74-98-6 propane	
LEP	Long-term value: 1000 ppm
8002-74-2 Paraffin waxes and Hydrocarbon waxes	
LEP	Long-term value: 2 mg/m3 Fumes

B. DNEL

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	699 mg/kg bw/day (Consumer) 773 mg/kg bw/day (Worker)
Inhalation	DNEL Long term-systemic	608 mg/m^3 (Consumer) 2035 mg/m^3 (Worker)
64742-82-1 Hydrocarbon, C9-C12, n-alkanes,iso-alkenes, cyclic, aromates (2-25%)		
Oral	DNEL Long term-systemic	26 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	26 mg/kg bw/day (Consumer) 44 mg/kg bw/day (Worker)
Inhalation	DNEL Long term-systemic	71 mg/m^3 (Consumer) 330 mg/m^3 (Worker)

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 skin.
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.
Filter AX/P2
If ventilation is insufficient, wear protective mask

Filter A/P2

- **Hands protection**


Protective gloves
Solvent resistant gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· Material of gloves:
The selection of suitable gloves not only depend on the material, but also other characteristics of quality, which can vary from manufacturer to manufacturer. Given that the product is made from of different materials, their quality can not be calculated in advance, so that gloves should be controlled before use.
Nitrile rubber
Material recommended thickness: ³ 0,5 mm

· 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.

- **Eye protection**

Tightly sealed goggles (EN-166)

- **Body protection**

Use protective suit (EN-13034/6)

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form	Aerosol
Colour	According to product specification
Odour	Characteristic
Odour threshold	Undetermined
pH value	Undetermined
Melting point/melting range	Undetermined
Boiling point/boiling range	-44ºC
Flash point	-97ºC
Flammability (solid, gas)	Not applicable
Self-ignition	>200ºC
Decomposition	Undetermined
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	0,5 Vol. %
Upper explosive limit	10,9%
Vapour pressure at 20ºC	8300 hPa
Density at 20ºC	0,667 g/cm3

Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility/miscibility in water at 20ºC	Not miscible or difficult to mix
Partition coefficient (n-octanol/water)	NOt determined
Viscosity	
Dynamic at 20ºC	Not determined
Kinematic	Not determined
Solvent content	
Organic solvents	87.6%
Solids content	11%

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

LD/LC50 values relevant for classification:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Oral Dermal Inhalation	LD50 LD50 LC50/4h	>5840 mg/kg (rat) >2920 mg/kg (rabbit) >25 mg/l (rat)
Hydrocarbon, C9-C12, n-alkanes,iso-alkenes, cyclic, aromates (2-25%)		
Oral Dermal	LD50 LD50	>5000 mg/kg (rat) > 3160 mg/kg (rabbit)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatiques		
Oral Dermal Inhalation	LD50 LD50 LC50/8h	>5000 mg/kg (rat) >5000 mg/kg (rabbit) >5000 mg/l (rat)

B. Primary irritant effect

- **Corrosion or Irritation**

It causes skin irritation.

- **Serious eye irritation**

In view of the available data, the classification criteria are not met.

- **Respiratory or skin sensitization**

In view of the available data, the classification criteria are not met.

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

- **Germ cell mutagenicity**

In view of the available data, the classification criteria are not met.

- **Carcinogenicity**

In view of the available data, the classification criteria are met.

- **Reproductive toxicity**

In view of the available data, the classification criteria are not met.

- **Specific target organ toxicity (STOT) - single exposure**

May cause drowsiness or dizziness.

- **Specific target organ toxicity (STOT) - repeated exposure**

It causes damage to organs through prolonged or repeated exposure.

- **Aspiration hazard**

It can be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

A. Aquatic toxicity

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
EL50 (72h) EL50 (48h) LL50 (96h) LOEC (21 days) NOEC (21 days) NOELR (72h)	30-100 mg/l (Pseudokirchneriella subcapitata) 3 mg/l (Dm) 11,4 mg/l (Oncorhynchus mykiss (96h)) 0,32 mg/l (Dm) 0,17 mg/l (Dm) 3 mg/l (Pseudokirchneriella subcapitata)
Hydrocarbons, C9-C12, n-alkanes,iso-alkenes, cyclic, aromates (2-25%)	
EL50 (72h) EL50 (48h) LL50 (96h) LOEC (21 days) NOEC (21 days) NOELR (72h)	4.6-10 mg/l (Pseudokirchneriella subcapitata) 10-22 mg/l (Daphnia magna) 10-30 mg/l (Oncorhynchus mykiss (96h)) 0.203 mg/l (Daphnia magna) 0.097 mg/l (Daphnia magna) 1 mg/l (Pseudokirchneriella subcapitata)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatiques	
EL0 (48h) EL0(72h) LL0(96h)	1000 mg/l (Dm) 1000 mg/l (Pseudokirchneriella subcapitata) 1000 mg/l (Oncorhynchus mykiss (96h))

12.2. Persistence and degradability
Easily biodegradable.

12.3. Bioaccumulation potential
No further relevant information available.

12.4. Mobility in soil
No further relevant information available.

A. Ecotoxical effects
Notes: Toxic for fish.

B. Additional environmental directions
General directions:
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.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms.

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

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 02 99 Wastes not otherwise specified

13.2. Uncleansed packages
Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1. UN-Number
ADR, IMDG, IATA: UN1950

14.2. UN proper shipping name
ADR: 1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
IMDG: AEROSOLS (Naphtha (petroleum), hydrotreated light, TURPENTINE SUBSTITUTE), MARINE POLLUTANT
IATA: AEROSOLS, Flammable

14.3. Transport hazard class
ADR

Class: 2 5F Gases
Label: 2.1

IMDG

Class: 2.1
Label: 2.1

IATA

Class: 2.1
Label: 2.1

14.4. Packaging group
ADR, IMDG, IATA: Void

14.5. Environmental hazards
Product contains environmentally hazardous substances: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Marine Pollutant: Yes
Symbol (fish and tree)
Special marking (ADR): Symbol (fish and tree)

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.

Transport/additional data:
ADR
Limited quantities (LQ): 1L
Excepted quantities (EQ): Code EO
Not permitted as excepted quantity.
Tunnel restriction code: D

IMDG
Limited quantities (LQ): 1L
Excepted quantities (EQ): Code EO
Not permitted as excepted quantity.

UN "Model Regulation": UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS, 2.1

15. REGULATORY INFORMATION

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

A. Directive 2012/18 / EU

- Dangerous nominated - ANNEX I neither component is included in a list
- Category Seveso
  P3a FLAMMABLE AEROSOLS
  E2 Hazardous to the aquatic environment
- Threshold quantity (tons) for the purposes of applying the requirements of lower level 150 t
- Threshold quantity (tons) for the purposes of applying the requirements of upper level 500 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Restrictions: 28, 29

B. National regulations

- Technical instructions (air):
  Class Share in %
  NK 75-<100
- VOC-CH: 86.09%
- VOC-EU: 584.4 g/l
- Danish MAL code: 5-3

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

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.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H372 Causes damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.

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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)
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)
DNEL: Derived No-Effect Level (REACH)
LC50: Lethal concentration, 50 percent

The statements made here should describe the product with regard to the necessary safety precautions – they are no meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility