

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY

NAME OF THE PRODUCT	High resistance rgreen retainer, 50 ml
CODE	080206
DISTRIBUTOR	BOSSAUTO INNOVA, S.A.
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2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

A. Classification according to Directive nº1272/2008 (CLP)

Skin irritation 2; H315 Causes skin irritation.
Skin sensitization 1; H317 May cause allergic skin reaction.
Eye irritation 2; H319 Causes eye irritation,
H335 May cause irritation to the respiratory tract.

B. Classification according to Directive 67/548/ECC and 1999/45/EC

R36 / 37/38: Irritating to eyes, respiratory system and skin.
R43: May cause sensitization on contact with skin.

2.2. Label elements

A. CLP Regulation (EC) nº1272/2008

- **Pictograms**



- **Signal words**

ATTENTION

- **Hazard statements**

H315 Causes skin irritation.

H317 May cause allergic skin reaction.
 H319 Causes eye irritation,
 H335 May cause irritation to the respiratory tract.

• Precautions

P102 Keep out of reach of children.
 P261 Do not breathe vapor.
 P280 Wear protective gloves / clothing / eye / respiratory protection
 P302 + P352 In case of contact with skin, wash immediately with soap and water.
 P305 + P351 + P338 In case of contact with eyes, rinse with plenty of water for several minutes. Remove lenses if they can be removed easily.
 P312 contact the Poison Control Center / physician / doctor if you are not feeling well.
 P403 + P233 Keep container tightly closed and in a well-ventilated place.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Classification of the substance or the mixture

Not applicable.

3.2. Mixtures

Descriptions: Anaerobic, adhesive, sealant, locker.

Ingredient	Designation	Content	Classification DPD/CLP
EINECS: 248-666-3 CAS: 27813-02-1	Hydroxypropyl acrylate	20-40%	EU: Xi; R36. Sens.; R43. CLP: Eye Irrit. 2; H319. Skin Sens. 1; H317.
EINECS: 212-782-2 CAS: 868-77-9	2-Hydroxyethyl Methacrylate	5-10%	EU: Sens.; R43. Xi; R36/38. CLP: Skin Irrit. 2; H315. Eye Irrit. 2; H319. Skin Sens. 1; H317.
REACH: 01-2119475796-19-XXXX EINECS: 201-254-7 CAS: 80-15-9	Cumene Hydroperoxide	<1%	EU: O; R7. T; R23. C; R34. N; R51-53. Xn; R21/22. Xn; R48/20/22. CLP: Org. Perox. EF; H242. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 3; H331. Skin Corr. 1A; H314. STOT RE 2; H373. Aquatic Chronic 2; H411.
EINECS: 204-055-3 CAS: 114-83-0	1-Acety-2-Phenylhydrazine	<0,1%	EU: Xn; R21. Xn; R68/22. Sens.; R43. CLP: Acute Tox. 4; H312. Skin Sens. 1; H317. STOT SE 2; H371.
EINECS: 201-177-9 CAS: 79-10-7	Acrylic acid	<1%	EU: R10. C; R35. N; R50. Xn; R20/21/22. CLP: Flam. Liq. 3; H226. Acute Tox. 4; H302. Acute Tox. 4; H312. Acute Tox. 4; H332. Skin Corr. 1A; H314. Aquatic Acute 1; H400.

For a complete list of R and H phrases see section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

A. Inhalation

Move the individual/s or anyone affected to fresh air. Breathing difficulties: consult a doctor.

B. Skin contact

Wash with water and soap.

C. Eye contact

Rinse thoroughly with plenty of water for several minutes (at least 5). If irritation persists, consult an eye specialist.

D. Ingestion

Rinse the mouth, drink 2-3 glasses of water and consult a doctor. Do not induce vomiting.

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

A. Eyes

Irritation, conjunctivitis.

B. Skin

Redness, urticarial.

C. Breathing

Irritation, coughing, labored breathing, tightness of chest.

5. FIREFIGHTING MEASURES

5.1. Suitable extinguishing agents

Water spray, carbon dioxide, dry chemical, foam.

5.2. Hazards arising from the substance or mixture

The following may arise in case of fire: smoke, sulfur oxides, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

5.3. Advice for firefighting

Special protective equipment for fire-fighters: Use an automatic ventilator. Wear suitable protective clothing.

Additional information: prevent the extinction of water flowing or seeping.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid contact with skin and eyes. Do not inhale vapors.

6.2. Environmental precautions

Prevent contamination of soil, waterways or sewer systems.

6.3. Containment and cleaning methods and materials

Absorb liquid with absorbent material (sand, sawdust, earth, acid- or universal binder) and place in closed containers for disposal. Hazardous waste. The contaminated area should be cleaned with soap and water. Clean the floor and contaminated objects.

Additional information: high risk of slipping on spill.

6.4. Reference to other sections

See Sections 8 and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Information for safe handling:

Ensure adequate ventilation of the storage areas and work.

Ensure cleanliness in the workplace.

Avoid contact with skin and eyes.

Use automated systems application.

7.2. Conditions for safe storage, including conflicts

Requirements for storage areas and containers:

Keep container tightly closed and dry. Protect from moisture. Keep only in the original container.

Do not refill the product. Return in original container. Storage temperature: <25 ° C. storage advice: Do not store with oxidizing agents.

Storage class: 10 = Combustible liquids not in LGK 3

7.3. Specific end uses

No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Additional information: Contains no substances with occupational exposure limit value.

Ingredient	Designation	Classification DPD/CLP
CAS: 79-10-7	Acrylic acid	Specific concentration limits: STOT SE 3; H335 Can irritate respiratory tract.

8.2. Control areas and limitation of exposure

Use only in well-ventilated areas.

A. Limitation and control of exposure in the workplace

Respiratory protection is necessary if vapors. Use only in well-ventilated areas.

B. Respiratory protection

Use a type A filter according to EN 14387.

C. Hand protection

Protective gloves against chemicals EN 374, nitrile rubber (according to EN 754). Replace damaged or contaminated gloves. Minimum thickness of 0.7 mm protective gloves.

D. Eye protection

Safety glasses sealed according to EN 166.

E. Body protection

Wear suitable protective clothing.

F. Health and safety measures

Remove contaminated clothing immediately. Avoid inhalation of vapors / aerosols. Avoid contact with skin and eyes. Preventive skin protection. Do not eat or drink in the workplace. Wash hands before breaks and at the end of shifts.

9. PHYSICAL AND CHEMICAL PROPERTIES

To allow the adoption of the correct control measures, provide all the information relating to the substance or mixture, in particular the information listed in point 9.2. The information in this point must correspond to those provided at the moment of registration, when necessary.

General information

Physical state	Liquid
Colour	green
Odour	Characteristic
Solubility	Immiscible in water
Hydrosolubility	NOT SOLUBLE IN WATER
Viscosity	1000-1500 mPa.s (20 rpm at 20°C)
Flashpoint	>100°C
Vapour density	< of 10 @ 25 °C

10. STABILITY AND REACTIVITY

10.1. Reactivity

See Section 10.3.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Reacts with strong acids and oxidizing agents.

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

Strong oxidizing agents, reducing agents, acids.

10.6. Hazardous decomposition

If heated or in case of fire: toxic vapours. In case of fire: sulfur oxides, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide. Thermal decomposition: No data available.

11. TOXICOLOGICAL INFORMATION

11. Reactivity

A. Acute toxicity

Ingredient	CAS	Typical values	Species values
Cumene hydroperoxide	80-15-9	ORAL - LD 50 / 4 HOURS INHALATION - LC 50 / 4 HOURS DERMAL - LD 50 / 4 HOURS	382 mg/Kg - RAT 220 ppm - RAT 500 mg/Kg - RAT

Hydroxypropyl acrylate	27813-02-1	ORAL - LD50 DERMAL - LD50	> 5,000 mg/Kg - RAT > 5,000 mg/Kg - RABBIT
2-Hydroxyethyl Methacrylate	868-77-9	ORAL - LD50 DERMAL - LD50	5,564 mg/Kg - RAT > 3,000 mg/Kg - RABBIT
1-Acetyl-2-Phenylhydrazine	114-83-0	ORAL - LD50	270 mg/Kg - MOUSE
Acrylic Acid	79-10-7	INHALATION - LC 50 / 4 HOURS ORAL LD 50 DERMAL LD 50	3.6 mg/L (1200 ppm) RAT 193-340 mg/Kg RAT 295-750 mg/Kg RABBIT

B. Skin corrosion – irritation

Ingredient	CAS	Result	Species
Cumene hydroperoxide	80-15-9	SKIN - CORROSIVE	RABBIT
2-Hydroxyethyl Methacrylate	868-77-9	SKIN 24 HOURS - IRRITANT	RABBIT
1-Acetyl-2-Phenylhydrazine	114-83-0	SKIN 24 HOURS - IRRITANT	RABBIT
Acrylic Acid	79-10-7	SKIN - CORROSIVE	RABBIT

C. Germ cell mutagenicity

Ingredient	CAS	Result	Species – reference
Cumene hydroperoxide	80-15-9	POSITIVE / NEGATIVE	MOUSE - OECD guideline 471

Acute oral toxicity: May cause irritation to the digestive tract.
 Acute toxicity through inhalation: Irritation of the respiratory system.
 Skin irritation: Prolonged or repeated contact may cause skin irritation.
 Eye irritation: Irritation of the eyes
 Sensitizing: May cause sensitization by skin contact.
 Acute toxicity (dermal): Lack of data.
 Acute toxicity (inhalation): Lack of data.
 Corrosion Skin: Lack of data.
 Eye damage / irritation 2; H319 = Causes serious eye irritation.
 Respiratory Sensitization: Lack of data.
 Skin sensitization 1; H317 = May cause an allergic skin reaction.
 Germ cell mutagenicity / genotoxicity cells: Lack of data.
 Carcinogenicity: Lack of data.
 Reproductive toxicity: Lack of data.
 Effects on or via lactation breastfeeding: Lack of data.
 Specific organ toxicity (single exposure): Lack of data.
 Specific organ toxicity (repeated exposure): Lack of data.
 Inhalation Hazard: lack of data

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Do not empty into drains and surface and ground waters.

Ingredient	CAS	Typical values
Cumene hydroperoxide	80-15-9	Toxic to fish CL50 - Oncorhynchus mykiss (Rainbow trout) – 3.9 mg/l - 96 h Toxic to daphnia and other aquatic invertebrates. EC50 - Daphnia magna (Large freshwater flea) - 16 mg/l - 24 h Persistence and biodegradability Biotic / Aerobic Biodegradability

		Rapidly biodegradable. Method: Closed bottle sample
Hydroxypropyl-methacrylate	27813-02-1	Toxic to fish Constant flow test - Leuciscus Idus - 493 mg/l - 48 h Bacterial toxicity CE 10 Pseudomonas Putida - 1,140 mg/l - 16 h Persistence and biodegradability: Aerobic biodegradability Chemical oxygen demand Result: 94 % - Rapidly biodegradable. Method: Closed bottle sample
2-Hydroxyethyl Methacrylate	868-77-9	Toxic to fish Constant flow test - Pimephales promelas (Fathead Minnow) 227 mg/l - 96 h Persistence and biodegradability: Aerobic biodegradability Chemical oxygen demand Result: 84 % - Rapidly biodegradable. Method: Closed bottle sample
1-Acetil-2-phenylhydrazine	114-83-0	No data available.
Acrylic Acid	79-10-7	EC50 - Daphnia magna (Large freshwater flea) - 54 mg/l - 48 h Toxic to fish CL50 - Oncorhynchus mykiss (Rainbow trout) - 27 mg/l - 96 h Bacterial toxicity: CE 3 Pseudomonas Putida - 41 mg/l - 16 h Aerobic biodegradability Chemical oxygen demand Result: 81 % - Easily biodegradable. Method: Closed bottle sample

12.2. Mobility

Volatile organic compounds (VOCs): < 3% (1999/13/EC). Once polymerised, anaerobic products are immobile.

12.3. Persistence and biodegradability

The product is not biodegradable.

12.4. Bioaccumulative potential

Bioaccumulation data not available.

12.5. Results of PBT assessment

Not applicable on the basis of available data.

12.6. Other adverse effects

No data available. Not dangerous for the ozone layer (1999/45/EC). Does not contain substances listed in RoHS and WEEE.

13. DISPOSAL CONSIDERATIONS

13.1. Regulations relating to waste materials

08 04 09: waste adhesives and sealants containing organic solvents or other dangerous substances.

Depending on sector and production process, other EURAL codes may also be applicable
 Hazardous waste in accordance with Directive 2008/98/EC.

A. Disposal methods

Disposal should take place in accordance with local and national regulations. The contribution of this product to waste is very insignificant in comparison with the object on which it is used.

B. Packaging/Container

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorized legal landfill site or incinerated. Disposal must be carried out in accordance with existing legal regulations.

14. TRANSPORT INFORMATION

14.1. UN number

Not applicable - Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

14.2. Shipping name of the United Nations

Not limited - Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

14.3. Shipping name of the United Nations

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

14.4. Packing

Not applicable - Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

14.5. Hazards for the environment

Marine pollutant - IMDG: No.

14.6. Precautions for user

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

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

No data available.

15. REGULATORY INFORMATION

Specific safety, health and environment / legislation for the substance or mixture.
Volatile organic compounds (VOC): <3% (1999/13 / EC)

15.1. Chemical Safety Assessment

There has been no evaluation of chemical safety.

16. OTHER INFORMATION

16.1. Abbreviations

PBT = persistent, bioaccumulative and toxic substances
DSD Dangerous Substance Directive
DPD Dangerous Preparation Directive
CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

16.2. Complete list of phrases present in the safety data sheet

R7 May cause fire.
R10 Flammable.
R20/21/22 Harmful by inhalation, contact with the skin and if swallowed.
R21/22 Harmful in contact with the skin and if swallowed.
R22 Harmful if swallowed.
R23 Toxic by inhalation.
R34 Causes burns.
R35 Causes severe burns.

R36/37/38 Irritating to eyes, respiratory system and skin.

R43 May cause sensitization by skin contact.

48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R50 Very toxic to aquatic organisms.

R51-53 Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H312 Harmful in contact with the skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H242 Heating may cause fire.

H301 Toxic if swallowed.

H331 Toxic if inhaled.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged exposure.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long-lasting effects.

According to Regulation (EC) No. 1907/2006 and Regulation (EC) No 453/2010.

The information on this Safety Data Sheet on the Preparation is based on current knowledge and on current EU laws and national, in that the working conditions of the users is beyond our knowledge and control. The product should not be used for purposes other than those specified under section 1 purposes. It is always your responsibility to take appropriate measures in order to meet the requirements of local regulations and current legislation. The information contained in this Safety Data Sheet only meant as a description of the safety requirements of the product and should not be considered as a guarantee of its properties.