1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE OF THE COMPANY

Trade name QUICK SEAL 310 ML
Trade reference 5002-001062

Relevant identified uses of the substance or mixture and uses advised against:
Product use
Sealant/adhesive

Manufacturer/Supplier
CAR REPAIR SYSTEM S.A.
Polígono Industrial 2 de Octubre
C./ José Muñoz, Nº 6
18320 SANTA FE (Granada) - España

Emergency telephone number of the company and/or of an authorised advisory centre: 00.34.902.180.470
World directory of poisons centres: www.who.int/gho/phe/chemical_safety/poisons_centres/en/

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Type of product
Mixture
Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Specific target organ toxicity – repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
Hazard pictograms

Signal word
Danger
Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements
Prevention

P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/ eye protection/ face protection.
P284	In case of inadequate ventilation wear respiratory protection.

Response

P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Hazardous components which must be listed on the label
919-446-0
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
931-274-8
Hexamethylene-1,6-diisocyanate homopolymer
202-966-0
4,4'-methylenediphenyl diisocyanate
500-040-3
4,4`-Methylenediphenyl diisocyanate, oligomers
Additional Labelling
EUH204 Contains isocyanates. May produce an allergic reaction.

2.3 Other
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
Hazardous components

Chemical name CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
<** Status of value assignment not permitted: 000000120713 ; SAP_EHS_1012_004 ; 0061 **> :		
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) 919-446-0 265-185-4 01-2119458049-33-XXXX [corresponding group CAS 64742-82-1]	Flam. Liq.3; H226 STOT SE3; H336 STOT RE1; H372 Asp. Tox.1; H304 Aquatic Chronic2; H411	>= 1 - < 2,5

Hexamethylene-1,6-diisocyanate homopolymer 28182-81-2 931-274-8 500-060-2 01-2119485796-17-XXXX Contains: hexamethylene-di-isocyanate <= 0,3 % 4,4'-methylenediphenyl diisocyanate 101-68-8 202-966-0 01-2119457014-47-XXXX	Acute Tox.4; H332 Skin Sens.1; H317 STOT SE3; H335 Acute Tox.4; H332 Eye Irrit.2; H319 STOT SE3; H335 Skin Irrit.2; H315 Resp. Sens.1; H334 Skin Sens.1; H317 Carc.2; H351 STOT RE2; H373	< 1 >= 0,1 - < 1
4,4`-Methylenediphenyl diisocyanate, oligomers 25686-28-6 500-040-3 01-2119457013-49-XXXX	Acute Tox.4; H332 Skin Irrit.2; H315 Eye Irrit.2; H319 Resp. Sens.1; H334 Skin Sens.1; H317 Carc.2; H351 STOT SE3; H335 STOT RE2; H373	< 1
dibutyltin dichloride 683-18-1 211-670-0 01-2119496066-31-XXXX	Acute Tox.3; H301 Acute Tox.1; H330 Acute Tox.4; H312 Skin Corr.1B; H314 Eye Dam.1; H318 Skin Sens.1; H317 Muta.2; H341 Repr.1B; H360FD STOT SE1; H370 STOT RE1; H372 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,01 - < 0,25

Remarks

<** Status of value assignment not permitted: 000000120713 ; SAP_EHS_1012_004 ; 0065 **>

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information
Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance.
If inhaled
Move to fresh air.
Consult a physician after significant exposure.
In case of skin contact
Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.
In case of eye contact
Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
If swallowed
Do not induce vomiting without medical advice.
Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms
Asthmatic appearance
Allergic reactions
Excessive lachrymation
Erythema
Dermatitis
See Section 11 for more detailed information on health effects and symptoms.
Risks
irritant effects
sensitising effects
Causes skin irritation.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause damage to organs through prolonged or repeated
exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment
Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Standard procedure for chemical fires.

6. ACCIDENTAL REALEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.
Deny access to unprotected persons.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling

Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products

Advice on protection against fire and explosion

Normal measures for preventive fire protection.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

Other data
No decomposition if stored and applied as directed.

7.3 Specific end use(s)
Specific use(s)
No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Components with workplace control parameters

Components	CAS-No.	Value	Control parameters *	Basis *
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)		VLA-ED	50 ppm 290 mg/m3	ES VLA
		VLA-EC	100 ppm 580 mg/m3	ES VLA
4,4'-methylenediphenyl diisocyanate	101-68-8	VLA-ED	0,005 ppm 0,052 mg/m3	ES VLA

<** Status of value assignment not permitted: 000000120713 ; SAP_EHS_1012_006 ; 0006 **>

8.2 Exposure controls
Personal protective equipment
Eye protection
Safety glasses with side-shields
Eye wash bottle with pure water
Hand protection
Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (0,4 mm),
Contaminated gloves should be removed.
Suitable for permanent exposure:
Viton gloves (0.4 mm), breakthrough time >30 min.
Skin and body protection
Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionaly recommended for mixing and stirring work.
Respiratory protection
Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
organic vapor filter (Type A)
A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 – Methods for determining inhalation exposure).
This applies in particular to the mixing / stirring area. In case this is not sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

Environmental exposure controls

General advice

Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Paste
Colour	Various
Odour	Characteristic
Odour Threshold	No data available
Flash point	> 101 °C
Autoignition temperature	No data available
Decomposition temperature	No data available
Lower explosion limit (Vol-%)	No data available
Upper explosion limit (Vol-%)	No data available
Flammability	No data available
Explosive properties	No data available
Oxidizing properties	No data available
pH	No data available
Melting point/range / Freezing point	No data available
Boiling point/boiling range	No data available
Vapour pressure	0,01 hPa
Density	ca.1,2 g/cm3 at 20 °C
Water solubility	No data available
Partition coefficient: noctanol/ water	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	> 20,5 mm2/s at 40 °C
Relative vapour density	No data available
Evaporation rate	No data available

9.2 Other information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions
Hazardous reactions
Stable under recommended storage conditions.

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity
Not classified based on available information.
Components
Hexamethylene-1,6-diisocyanate homopolymer
Acute oral toxicity
LD50 Oral (Rat): > 2.500 mg/kg
Acute inhalation toxicity
Acute toxicity estimate: 1,5 mg/l
Test atmosphere: dust/mist
Method: Expert judgement
Acute dermal toxicity
LD50 Dermal (Rat): > 2.000 mg/kg
4,4'-methylenediphenyl diisocyanate
Acute inhalation toxicity
Acute toxicity estimate: 1,5 mg/l
Test atmosphere: dust/mist
Method: Expert judgement
4,4`-Methylenediphenyl diisocyanate, oligomers
Acute oral toxicity
LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity
Acute toxicity estimate: 1,5 mg/l
Test atmosphere: dust/mist
Method: Expert judgement
Acute dermal toxicity
LD50 Dermal (Rabbit): > 9.400 mg/kg
Dibutyltin dichloride
Acute oral toxicity
LD50 Oral (Rat): 219 mg/kg
Acute dermal toxicity
Acute toxicity estimate: 1.100 mg/kg
Method: Converted acute toxicity point estimate

Skin corrosion/irritation
Causes skin irritation.
Serious eye damage/eye irritation
Causes serious eye irritation.
Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity
Not classified based on available information.
Carcinogenicity
Not classified based on available information.
Reproductive toxicity
Not classified based on available information.
STOT - single exposure
Not classified based on available information.
STOT - repeated exposure
May cause damage to organs through prolonged or repeated exposure.
Aspiration toxicity
Not classified based on available information.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Components
dibutyltin dichloride
Toxicity to daphnia and other
aquatic invertebrates
EC50: 1,4 mg/l, 48 h, Daphnia (water flea)
M-Factor (Acute aquatic toxicity)
10

12.2 Persistence and degradability
No data available

12.3 Bioaccumulative potential
No data available

12.4 Mobility in soil
No data available

12.5 Results of PBT and vPvB assessment
Product
Assessment
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects
Product
Additional ecological information

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Harmful to aquatic life with long lasting effects.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product
The generation of waste should be avoided or minimized wherever possible.
Empty containers or liners may retain some product residues.
This material and its container must be disposed of in a safe way.
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
European Waste Catalogue
08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
Contaminated packaging
15 01 10* packaging containing residues of or contaminated by dangerous substances

14. TRANSPORT INFORMATION
ADR
Not dangerous goods
IATA
Not dangerous goods
IMDG
Not dangerous goods

14.6 Special precautions for user
No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Prohibition/Restriction
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)
Banned and/or restricted (1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich)
(4,4'-methylenediphenyl diisocyanate)
(4,4`-Methylenediphenyl diisocyanate, oligomers)
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).
None of the components are listed (=> 0.1 %).
REACH - List of substances subject to authorization (Annex XIV)
Not applicable

REACH Information
All substances contained in our Products are
- preregistered or registered by our upstream suppliers, and/or
- preregistered or registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable
VOC-CH (VOCV)
2 %
no VOC duties
VOC-EU (solvent)
2 %

15.2 Chemical safety assessment
This product contains substances for which Chemical Safety Assessments are still required.

16. OTHER INFORMATION

Full text of H-Statements

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H351	Suspected of causing cancer.
H360FD	May damage fertility. May damage the unborn child.
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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
Asp. Tox.	Aspiration hazard

Carc.	Carcinogenicity
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquids
Muta.	Germ cell mutagenicity
Repr.	Reproductive toxicity
Resp. Sens.	Respiratory sensitisation
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
CAS	Chemical Abstracts Service
DNEL	Derived no-effect level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
LD50	Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals)
LC50	Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period)
MARPOL	International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative and toxic
PNEC	Predicted no effect concentration
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
SVHC	Substances of Very High Concern
vPvB	Very persistent and very bioaccumulative

The detailed information is based on our knowledge until the date above indicated.
Those security details refer exclusively to the indicated product and do not constitute a guarantee of particular qualities.
The user must ensure the adequacy and accuracy of such information in relation to the specific use that should be made of the product.
This sheet cancels and replaces any previous edition.