SAFETY DATA SHEET
Cavity Seal

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Cavity Seal

Product number RF01606C

UFI UFI: YHGD-C31S-D676-RH2A

REACH registration notes This is a MIXTURE; no registration information contained in this document . Holts are classed as Downstream User.

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Sealant.

1.3. Details of the supplier of the safety data sheet

Supplier
A Holts Car Care Product
Holt Lloyd International Ltd
Barton Dock Road
Stretford
Manchester
M32 0YQ - England, UK
+44 (0) 161 866 4800
FAX +44 (0) 161 866 4854
www.holtsauto.com

Contact person Contact Email address: info@holtsauto.com

1.4. Emergency telephone number

Emergency telephone UK - 00 44 (0) 161 866 4800 Office hrs = 0900 - 1700 hrs

National emergency telephone number
National Poisons Information Service
City Hospital, Birmingham B187QH, United Kingdom
Telephone: +44 121 507 4123
Email: allistervale@npis.org, sallybradberry@npis.org

www.npis.org

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229

Health hazards STOT SE 3 - H336

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

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Hazard pictograms

Signal word	Danger
Hazard statements	H222 Extremely flammable aerosol. H229 Pressurised container: may burst if heated. H336 May cause drowsiness or dizziness. H412 Harmful 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, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P260 Do not breathe spray. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 Dispose of contents/ container in accordance with national regulations.
Supplemental label information	EUH066 Repeated exposure may cause skin dryness or cracking. EUH208 Contains Calcium Sulphonate. May produce an allergic reaction.
UFI	UFI: YHGD-C31S-D676-RH2A
Contains	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics, Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics **10-30%**

CAS number: — EC number: 919-857-5 REACH registration number: 01-2119463258-33-XXXX

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336
Asp. Tox. 1 - H304

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics **10-30%**

CAS number: — EC number: 927-241-2 REACH registration number: 01-2119471843-32-XXXX

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412

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PROPANE		**10-30%**
CAS number: 74-98-6	EC number: 200-827-9	REACH registration number: 01-2119486944-21-XXXX
Classification Flam. Gas 1 - H220		
ISOBUTANE		**5-10%**
CAS number: 75-28-5	EC number: 200-857-2	REACH registration number: 01-2119486944-21-XXXX
Classification Flam. Gas 1 - H220 Press. Gas		
BUTANE		**5-10%**
CAS number: 106-97-8	EC number: 203-448-7	REACH registration number: 01-2119474691-32-XXXX
Classification Flam. Gas 1 - H220 Press. Gas		
Calcium Sulfonate		**1-5%**
CAS number: 61789-86-4	EC number: 263-093-9	REACH registration number: 01-2119488992-18-XXXX
Classification Skin Sens. 1B - H317		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion Rinse mouth thoroughly with water. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Skin contact Remove affected person from source of contamination. Rinse with water. Get medical attention if any discomfort continues.

Eye contact Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes and get medical attention.

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

General information Treat symptomatically.

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

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Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

5.3. Advice for firefighters

Protective actions during firefighting Move containers from fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin and eyes.

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

7.2. Conditions for safe storage, including any incompatibilities

Storage class Flammable compressed gas storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Advisory OEL. CEFIC-HSPA : 1200 mg/m3

ISOBUTANE

Long-term exposure limit (8-hour TWA): OES 800 ppm
Short-term exposure limit (15-minute): OES 800 ppm

BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³
Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³

WEL = Workplace Exposure Limit.

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Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

DNEL	Industry - Dermal; Long term : 208 mg/kg/day Industry - Inhalation; Long term : 871 mg/m³ Consumer - Dermal; Long term : 125 mg/kg/day Consumer - Inhalation; Long term : 185 mg/m³ Consumer - Oral; Long term : 125 mg/l

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

DNEL	Workers - Inhalation; Long term systemic effects: 871 mg/m³ Workers - Dermal; Long term systemic effects: 77 mg/kg/day General population - Inhalation; Long term systemic effects: 185 mg/m³ General population - Dermal; Long term systemic effects: 46 mg/kg/day General population - Oral; Long term systemic effects: 46 mg/kg/day

Calcium Sulfonate (CAS: 61789-86-4)

DNEL	Workers - Inhalation; Long term systemic effects: 11.75 mg/m³ Workers - Dermal; Long term systemic effects: 3.33 mg/kg/day Workers - Dermal; Long term local effects: 1.03 mg/cm² General population - Inhalation; Long term systemic effects: 2.9 mg/m³ General population - Dermal; Long term systemic effects: 1.667 mg/kg/day General population - Dermal; Long term local effects: 0.513 mg/cm² General population - Oral; Long term systemic effects: 0.833 mg/kg/day
PNEC	Fresh water; 1 mg/l marine water; 1 mg/l STP; 1000 mg/l

8.2. Exposure controls

Protective equipment

Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Rubber (natural, latex). To protect hands from chemicals, gloves should comply with European Standard EN374.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures	Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.

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Colour	White.
Odour	Solvent.
Flash point	Not applicable.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.1% Upper flammable/explosive limit: 13.0%
Vapour pressure	3500 hPa @ 20°C
Relative density	~0.7 @ 20°C
Auto-ignition temperature	> 200°C

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 546.9 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid contact with acids and alkalis.

10.5. Incompatible materials

Materials to avoid	No specific requirements are anticipated under normal conditions of use.

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Carbon dioxide (CO2). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	No information available.

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.

Skin corrosion/irritation

Skin corrosion/irritation	Based on available data the classification criteria are not met.

Serious eye damage/irritation

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Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure	Central and/or peripheral nervous system damage.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard	Not relevant.

Inhalation	Vapours may cause headache, fatigue, dizziness and nausea. Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations. May cause eye and respiratory system irritation. Symptoms following overexposure may include the following: Headache.
Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
Skin contact	Prolonged and frequent contact may cause redness and irritation.
Eye contact	May be slightly irritating to eyes.
Route of exposure	Inhalation Skin and/or eye contact

Toxicological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
Notes (oral LD_{50})	LD_{50} > 5000 mg/kg, Oral, Rat
ATE oral (mg/kg)	5,000.0

Acute toxicity - dermal

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Acute toxicity dermal (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE dermal (mg/kg)	5,000.0

Acute toxicity - inhalation

Species	Rat
Notes (inhalation LC_{50})	LC50 > 5000 mg/m³, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation	Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.

Carcinogenicity

Carcinogenicity	There is no evidence that the product can cause cancer.

Reproductive toxicity

Reproductive toxicity - fertility	One-generation study - NOAEL >/= 3000 mg/kg bw/day, Oral, Rat P
Reproductive toxicity - development	Developmental toxicity: - NOAEC: >/= 300 ppm, Inhalation, Rat

Specific target organ toxicity - single exposure

STOT - single exposure	Central and/or peripheral nervous system damage.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard	May be fatal if swallowed and enters airways.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} > 15000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} > 5000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

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Notes (inhalation LC_{50})	LC50 > 4952 mg/m³, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation	Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Does not contain any substances known to be toxic to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure	Central and/or peripheral nervous system damage.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard	May be fatal if swallowed and enters airways.

PROPANE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0

ISOBUTANE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat

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ATE oral (mg/kg)	5,000.0

BUTANE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat

SECTION 12: Ecological information

Ecotoxicity Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Acute aquatic toxicity

Acute toxicity - fish	No information available.
Acute toxicity - aquatic invertebrates	Not available.
Acute toxicity - aquatic plants	Not available.
Acute toxicity - microorganisms	Not available.
Acute toxicity - terrestrial	Not available.

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	Not available.
Short term toxicity - embryo and sac fry stages	Not available.
Chronic toxicity - aquatic invertebrates	Not available.

Ecological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: > 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: > 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: > 1000 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EL50, 48 hours: 0.95 mg/l, Tetrahymena pyriformis, QSAR model

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Acute aquatic toxicity

Acute toxicity - fish	LL_{50}, 96 hours: >10 - <30 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >22 - < 46 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	EL50, 72 hours: > 1000 mg/l, Algae
Acute toxicity - microorganisms	EL50, 48 hours: 1.065 mg/l, protozoa, Tetrahymena pyriformis

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	NOELR, 28 days: 0.182 mg/l, QSAR
Chronic toxicity - aquatic invertebrates	EL50, 21 days: 0.317 mg/l, QSAR

12.2. Persistence and degradability

Persistence and degradability The degradability of the product is not known.

Ecological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Persistence and degradability	Rapidly degradable

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Biodegradation	Rapidly degradable

12.3. Bioaccumulative potential

Ecological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics

Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers must not be punctured or incinerated because of the risk of an explosion.

Cavity Seal

Waste class	WGK : 2 (Germany)

SECTION 14: Transport information

General	Refer to the Dangerous Goods List for information on any Special Provisions 190, 327, 344, 625.

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

Transport labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Cavity Seal

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

SECTION 15: Regulatory information

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

EU legislation 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) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.
Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).

15.2. Chemical safety assessment

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
EC_{50}: 50% of maximal Effective Concentration.
GHS: Globally Harmonized System.
IATA: International Air Transport Association.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
NOAEL: No Observed Adverse Effect Level.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
SVHC: Substances of Very High Concern.
vPvB: Very Persistent and Very Bioaccumulative.

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Revision 8

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SDS number 14247

Hazard statements in full
H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H226 Flammable liquid and vapour.
H229 Pressurised container: may burst if heated.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Cavity Seal