

Adhesive spray permanent

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

1.1 - Product identifier

Trade name/designation Adhesive spray permanent
Chemical name
Product-type Mixture
Product code KF11026
UFI: US00-801H-2009-FRKV

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

Relevant identified uses - Adhesives, sealants

1.3 - Details of the supplier of the safety data sheet

INTERACTION

Jean-Baptiste de Ghellincklaan 23, box 101
9051 Gent Belgium
Telephone : +32 9 380 8248; +32 9 380 8249
info@interaction-connect.com

1.4 - Emergency telephone number

Poison Control Centre (Austria)
Tel. No.: +43 1 406 4343

Antigif Centrum Centre Antipoisons (Belgium)
Tel. No.: +32 070 245 245

National Toxicology Centre, Hospital for Active Medical Treatment and Emergency Medicine "N.I.Pirogov"
(Bulgaria)
Tel. No. / fax: +359 2 9154 233

Poison Control Centre (Croatia)
Tel. No.: +385 1 234 8342

Toxicological Information Centre (Czech Republic)
Tel. No.: +420 224 919 293 / +420 224 915 402

Poison Control Hotline (Denmark)
Tel. No.: +45 82 12 12 12

Poisoning Information Centre (Estonia)
Tel. No.: +372 794 3794 (or 16662 national)

Poison Information Centre (Finland)
Tel. No.: +358 09 471 977

ORFILA (INERIS) (France)
Tel. No.: +33 (0) 1 45 42 59 59

Health Toxicological Information Service (Hungary)
Tel. No.: +36 80 20 11 99

Poison Centre (Iceland)
Tel. No.: +354 543 2222

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CAV Milano Niguarda Ca' Granda (Italy)

Tel. No.: +39 02 66101029

CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA

Tel. No.: +39 06 68593726

Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs (Latvia)

Tel. No.: +371 670 42473

The State Medicines Control Agency (SMCA), Poison Information Bureau (PIB) (Lithuania)

Tel. No.: +370 5 236 20 52

Mater Dei Hospital (Malta)

Tel. No.: +356 2545 0000

National Poisons Information Centre (NVIC) (Netherlands)

Tel. No.: +31 (0) 30 274 8888

Mental Health Helpline (Norway)

Tel. No.: +47 22 59 13 00

Instituto Nacional de Emergência Médica (Portugal)

Tel. No.: +351 213 303 271

Biroul RSI si Informare Toxicologica (Romania)

Tel. No.: +40 021 318 3606

National Toxicological Information Centre (NTIC) (Slovakia)

Tel. No.: +421 2 5477 4166

Toxicology Information Service (Spain)

Tel. No.: +34 91 562 04 20

Swedish Poisons Information Centre (Sweden)

Tel. No.: +46 08 331231

Emergency Action (United Kingdom): Emergency phone number when using this product Tel. No.: +370 682 54054 (phone number is available from 8 am - 10 pm/ Monday-Friday; Kaunas, Lithuania).

In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Aerosol 1	Aerosol - Category 1

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Danger

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Hazard pictograms



Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H412	Harmful to aquatic life with long lasting effects

Precautionary statements

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.
P273	Avoid release to the environment.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in an approved treatment center in accordance with local/regional/national/international regulation.

EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking
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2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

vPvB-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
butane	CAS No. : 106-97-8 Index No. : 601-004-00-0 EC No. : 203-448-7	>= 45 - < 50	Flam. Gas 1 - H220 Press. Gas	Not applicable
propane	CAS No. : 74-98-6 Index No. : 601-003-00-5 EC No. : 200-827-9	>= 20 - < 25	Flam. Gas 1 - H220 Press. Gas	Not applicable
acetone, propan-2-one, propanone	CAS No. : 67-64-1 Index No. : 606-001-00-8 EC No. : 200-662-2	>= 5 - < 10	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes	CAS No. : 64742-49-0 Index No. : 649-328-00-1 EC No. : 927-510-4	>= 5 - < 10	Aquatic Chronic 2 - H411 Asp. Tox. 1 - H304 Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 STOT SE 3 (H336) - H336	Not applicable

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SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	- Provide fresh air.
<u>Following skin contact</u>	- Wash immediately with: Water - When in doubt or if symptoms are observed, get medical advice.
<u>After eye contact</u>	- Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	- Rinse mouth thoroughly with water. - Do NOT induce vomiting.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- No information available.
<u>Symptoms and effects - After eye contact</u>	- No information available.
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

- In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately, number of Emergency telephone see in section 1.4.
- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO ₂) - Foam - Extinguishing powder
<u>Unsuitable extinguishing media</u>	- Full water jet

5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- The vapour is heavier than air and may travel along the ground; distant ignition possible. - Vapours can form explosive mixtures with air. - Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.
<u>Hazardous decomposition products</u>	- Carbon dioxide (CO ₂) - Carbon monoxide

5.3 - Advice for firefighters

- Do not allow run-off from fire-fighting to enter drains or water courses.
- Wear a self-contained breathing apparatus and chemical protective clothing.

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SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Provide adequate ventilation.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Avoid contact with skin, eyes and clothes.
- Remove all sources of ignition.

For emergency responders

- Wear personal protection equipment (refer to section 8).

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Avoid:Eye contact
- Avoid:Skin contact
- Do not breathe gas/fumes/vapour/spray.
- Flammable vapours can accumulate in head space of closed systems.
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Keep away from sources of ignition - No smoking.
- Use personal protective equipment as required.
- Vapours can form explosive mixtures with air.

Advices on general occupational hygiene

- No information available.

7.2 - Conditions for safe storage, including any incompatibilities

- Do not store together with: Oxidising agent
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep container tightly closed and in a well-ventilated place.
- Keep locked up.
- Store packaging and ignitable materials separately.

7.3 - Specific end use(s)

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SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

butane (106-97-8)	
IOELV TWA mg/m ³ (UE)	1450 mg/m ³
IOELV TWA ppm (UE)	600 ppm
TWA EH40 ppm (UK)	600 ppm
TWA EH40 mg/m ³ (UK)	1450 mg/m ³
STEL EH40 ppm (UK)	750 ppm
STEL EH40 mg/m ³ (UK)	1810 mg/m ³
acetone, propan-2-one, propanone (67-64-1)	
IOELV TWA mg/m ³ (UE)	1210 mg/m ³
IOELV TWA ppm (UE)	500 ppm
TWA EH40 ppm (UK)	500 ppm
TWA EH40 mg/m ³ (UK)	1.21 mg/m ³
STEL EH40 ppm (UK)	1.5 ppm
STEL EH40 mg/m ³ (UK)	3.62 mg/m ³

DNEL / PNEC

acetone, propan-2-one, propanone (67-64-1)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	62 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	2420 mg/m ³	Workers	Systemic
DNEL long-term inhalative	1210 mg/m ³	Workers	Systemic
DNEL long-term inhalative	200 mg/m ³	Consumers	Systemic
DNEL long-term dermal	186 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	62 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	10.6 mg/l		
PNEC aquatic, marine water	1.06 mg/l		
PNEC aquatic, intermittent release	21 mg/l		
PNEC sediment, freshwater	30.4 mg/kg		
PNEC sediment, marine water	3.04 mg/kg		
PNEC soil	33.3 mg/kg		
PNEC sewage treatment plant (STP)	100 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

- Eye glasses with side protection

- DIN EN 166

- Wear suitable gloves.

- EN ISO 374

- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.

- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

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- If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

- This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Environmental exposure controls

- Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

Physical state	Liquid	Appearance	Aerosol
Colour		Odour	characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		< -20 °C	
Flash point		< -20 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		2.5 % Vol.	
Upper explosion limit		15 % Vol.	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		0.617 g/cm ³	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		> 200 °C	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	544.229 g/l
Minimum ignition energy	No data available

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Conductivity	No data available
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SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- Danger of bursting container. Danger of bursting container.

10.4 - Conditions to avoid

- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Keep cool. Protect from sunlight.

10.5 - Incompatible materials

- Oxidising agent, strong

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

Toxicity : Substances

acetone, propan-2-one, propanone (67-64-1)	
LD50 oral (rat)	5800 mg/kg
LD50 dermal (rabbit)	> 7426 mg/kg
LC50 inhalation vapours (rat)	76 mg/l
Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes (64742-49-0)	
LD50 oral (rat)	> 5840 mg/kg
LD50 dermal (rat)	> 2920 mg/kg
LC50 inhalation vapours (rat)	> 23.3 mg/l

Skin corrosion/irritation - Not classified

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Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

- This substance does not have endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

acetone, propan-2-one, propanone (67-64-1)

EC50 48 hr crustacea	8800 mg/l
LC50 96 hr fish	5540 mg/l < V < 11000 mg/l
ErC50 other aquatic plants	2100 mg/l
NOEC chronic crustacea	2212 mg/l
NOEC chronic algae	430 mg/l < V < 530 mg/l

Hydrocarbons, C7, n-alkanes, isoalkanes, cycloalkanes (64742-49-0)

LC50 96 hr fish	18.27 mg/l
ErC50 algae	13.56 mg/l
ErC50 other aquatic plants	31.9 mg/l
NOEC chronic crustacea	2212 mg/l
NOEC chronic algae	3.034 mg/l

- Harmful to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
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Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods - Dispose of waste according to applicable legislation.

Sewage disposal - No information available.

Special precautions for waste treatment - No information available.

Community or national or regional provisions - No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN1950

UN number (RID) : UN1950

UN number (ADN) : UN1950

UN number (IMDG) : UN1950

UN number (IATA) : UN1950

14.2 - UN proper shipping name

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UN proper shipping name (ADR) : AEROSOLS
UN proper shipping name (RID) : AEROSOLS
UN proper shipping name (ADN) : AEROSOLS
UN proper shipping name (IMDG) : AEROSOLS
UN proper shipping name (IATA) : AEROSOLS, FLAMMABLE

14.3 - Transport hazard class(es)

ADR Transport hazard class(es) : 2
ADR Classification code: : 5F
Pictograms



Transport hazard class(es) (RID) : 2
Pictograms



Transport hazard class(es) (ADN) : 2
Pictograms



Transport hazard class(es) (IMDG) : 2
Pictograms



Transport hazard class(es) (IATA) : 2
Pictograms



14.4 - Packing group

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Packing group :
Packing group (RID) :
Packing group (ADN) :
Packing group (IMDG) :
Packing group (IATA) :

14.5 - Environmental hazards

Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

ADR

ADR Classification code: : 5F
ADR Special provisions : 190+327+344+625
ADR Limited quantity (LQ) : 1L
ADR Excepted quantities : E0
ADR Packing instructions : P207 LP200
ADR Special packing provisions : PP87 RR6 L2
ADR Mixed packing provisions : MP9
Instructions for portable tanks and bulk containers :
Special provisions for portable tanks and bulk containers :
ADR tank code :
ADR tanks special provisions :
Vehicle for tank carriage :
ADR Transport category : 2
ADR Tunnel restriction code : D
ADR Special provisions loading, unloading and handling : CV9 CV12
Special provisions - Packages : V14
Special provisions - Bulk :
Special provisions - Operation : S2
ADR Hazard identification number (Kemler No.) :

RID

Special provisions : 190 327 344 625
Limited quantity (LQ) : 1L
Excepted quantities : E0

ADN

Special provisions : 190 327 344 625
Limited quantity (LQ) : 1L
Excepted quantities : E0

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IMDG

<u>Special provisions</u>	:	63 190 277 327 344 381 959
<u>Limited quantity (LQ)</u>	:	1000 mL
<u>Excepted quantities</u>	:	E0
<u>Packing instructions</u>	:	P207 LP200
<u>Special packing provisions</u>	:	PP87 L2
<u>IBC instruction(s)</u>	:	
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>EmS codes</u>	:	F-D, S-U
<u>Stowage and handling</u>	:	Category None SW1 SW22
<u>Segregation</u>	:	SG69
<u>Properties and observations</u>	:	

IATA

<u>PCA - Excepted quantities</u>	:	E0
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y203
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	30kg
<u>PCA - Packing Instructions</u>	:	203
<u>PCA - Maximum Net Quantity per Package</u>	:	75kg
<u>CAO - Packing Instructions</u>	:	203
<u>CAO - Maximum Net Quantity per Package</u>	:	150kg
<u>Special Provisions</u>	:	A145 A167 A802
<u>ERG Code</u>	:	10L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None
<u>VOC content</u>	544.229 g/l

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	12/27/2022		

Texts of the regulatory sentences

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Aerosol 1	Aerosol - Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Aquatic Chronic 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Asp. Tox. 1	Aspiration hazard - Category 1
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Gas 1	Flammable gas. - Category 1
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurised container: May burst if heated
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects
Press. Gas	Gases under pressure
Skin Irrit. 2	Irritation, Category 2
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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