

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 15/07/2016 Revision date: 15/07/2016 Version: 1.0

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

**Product identifier** 1.1.

Product form : Mixture

Product name PERMATEX INJECTOR DECARBONIZER GASKET REMOVER

Product code

Type of product : Aerosol, Cleaner, Detergent

Vaporizer : Aerosol Product group : Trade product

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

Relevant identified uses 1.2.1.

: Professional use Main use category

#### 1.2.2. Uses advised against

No additional information available

### Details of the supplier of the safety data sheet

**PERMATEX** Ctra. Urnieta s/n 20140 Andoain - España

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### **Emergency telephone number**

Emergency number : BIG: +32 (0) 14/58.45.45

### **SECTION 2: Hazards identification**

### Classification of the substance or mixture

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

H222:H229 Aerosol, Category 1

Acute toxicity (inhalation:dust,mist) H332

Category 4

H315 Skin corrosion/irritation, Category 2 Serious eye damage/eye irritation, H319

Category 2

H335 Specific target organ toxicity — Single

exposure, Category 3, Respiratory tract

Specific target organ toxicity — Single H336 exposure, Category 3, Narcosis H373 Specific target organ toxicity -Repeated exposure, Category 2

Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

#### 22 **Label elements**

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

Hazard pictograms (CLP)







GHS02

GHS07

Signal word (CLP) : Danger

Hazardous ingredients : acetone, propan-2-one, propanone; AROMATIC HYDROCARBONS, C8

Hazard statements (CLP) : H222 - Extremely flammable aerosol

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Precautionary statements (CLP)

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H229 - Pressurised container: May burst if heated

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H373 - May cause damage to organs through prolonged or repeated exposure

 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 dust, fume, gas, mist, spray, vapours

P264 - Wash hands thoroughly after handling P271 - Use only outdoors or in a well-ventilated area

P271 - Use only outdoors or in a well-ventilated area P302+P352 - IF ON SKIN: Wash with plenty of water

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing P312 - Call a doctor, a POISON CENTER if you feel unwell P332+P313 - If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

P501 - Dispose of contents/container to an authorised waste collection point P101 - If medical advice is needed, have product container or label at hand

P103 - Read label before use P102 - Keep out of reach of children

P314 - Get medical advice/attention if you feel unwell

#### 2.3. Other hazards

No additional information available

### **SECTION 3: Composition/information on ingredients**

#### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone, propan-2-one, propanone	(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8 (REACH-no) 01-2119471330-49	25 - 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
AROMATIC HYDROCARBONS, C8	(CAS No) 90989-38-1 (EC no) 292-694-9	25 - 50	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
benzyl alcohol	(CAS No) 100-51-6 (EC no) 202-859-9 (EC index no) 603-057-00-5	10 - 20	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Oral), H302
ISOTRIDECANOL, ETHOXYLATED	(CAS No) 69011-36-5 (EC no) 931-138-8	2,5 - 3	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
HYDROCARBON WAXES (PETROLEUM), OXIDIZED	(CAS No) 64743-00-6 (EC no) 265-205-1	< 2,5	Eye Irrit. 2, H319

Full text of H-statements: see section 16

### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

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First-aid measures after skin contact : Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation

occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction

on this label).

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries : Causes damage to organs.

Symptoms/injuries after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if

inhaled. May cause respiratory irritation. May cause drowsiness or dizziness.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

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

No additional information available

### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

#### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray.

Emergency procedures : Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect

spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Use only outdoors or in a well-ventilated area. Avoid breathing

dust/fume/gas/mist/vapours/spray.

Hygiene measures : Wash hands, forearms and face thoroughly after handling.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container

tightly closed.

Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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acetone, propan-2-one, propanone (67-64-1)				
Germany	Local name	Aceton		
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	1200 mg/m³		
Germany	TRGS 900 Occupational exposure limit value (ppm)	500 ppm		
Germany	Remark (TRGS 900)	DFG,EU		
butane (106-97-8)				
Germany	Local name	Butan		
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	2400 mg/m³		
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm		
Germany	Remark (TRGS 900)	DFG		
propane (74-98-6)				
Germany	Local name	Propan		
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	1800 mg/m³		
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm		
Germany	Remark (TRGS 900)	DFG		
isobutane (75-28-5)				
Germany	Local name	Isobutan		
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	2400 mg/m³		
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm		
Germany	Remark (TRGS 900)	DFG		

### 8.2. Exposure controls

#### Personal protective equipment:

Avoid all unnecessary exposure.

### Hand protection:

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
	Polyvinylalcohol (PVA), Butyl rubber (IIR) /				EN 374

### Eye protection:

Avoid contact with eyes. Splash goggles

Туре	Use	Characteristics	Standard
Safety glasses		With side shields	EN 166
Face shield	In the event of high danger		

### Skin and body protection:

Wear suitable protective clothing. Avoid contact with the skin and the eyes. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. Wash contaminated clothes

Туре	Standard
Use chemically protective clothing, TYPE3; in the event of substantioal spatter, TYPE3; in the event of substantioal spatter	EN 14605
Use chemically protective clothing, TYPE6; In the event of a risk of splashing	EN 13034

### Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Aerosol mask	(FFP1), (FFP3)		EN 149
Gas mask	Gas/vapour filter		EN 14387
Dust mask	Type P1, Type P3		EN 143

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#### Other information:

Do not eat, drink or smoke during use.

### SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid : Colourless. Colour : characteristic. Odour Odour threshold No data available рΗ No data available Relative evaporation rate (butylacetate=1) : No data available Melting point : No data available Freezing point : No data available Boiling point No data available Flash point : No data available Auto-ignition temperature : No data available Decomposition temperature No data available Flammability (solid, gas) No data available Vapour pressure : No data available

Vapour pressure at 50 °C : > 3 bar

Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 868 g/l @20°C

Solubility : immiscible and insoluble.

Log Pow : No data available
Viscosity, kinematic : < 7 mm²/s @40°C
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available

Explosive limits : 1,5 vol % 10 vol %

### 9.2. Other information

No additional information available

### **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

No additional information available

## 10.2. Chemical stability

Not established.

### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

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SECTION 11: Toxicological information					
11.1. Information on toxicological effects					
Acute toxicity	: Inhalation:dust,mist: Harmful if inhaled.				
ATE CLP (dust,mist)	2,222 mg/l/4h				
acetone, propan-2-one, propanone (67-64-1)					
LD50 oral rat	5800 mg/kg				
ISOTRIDECANOL, ETHOXYLATED (69011-36-	5)				
LD50 oral rat	300 - 2000 mg/kg				
LD50 oral	> 200 mg/kg bodyweight				
LD50 dermal rabbit	> 2000 mg/kg				
LD50 dermal	> 2000 mg/kg bodyweight				
HYDROCARBON WAXES (PETROLEUM), OX	IDIZED (64743-00-6)				
LD50 oral rat	> 5000 mg/kg				
Skin corrosion/irritation	: Causes skin irritation.				
Serious eye damage/irritation	: Causes serious eye irritation.				
Respiratory or skin sensitisation	: Not classified				
Additional information	: Based on available data, the classification criteria are not met				
Germ cell mutagenicity	: Not classified				
	Based on available data, the classification criteria are not met				
Carcinogenicity	: Not classified				
Additional information	: Based on available data, the classification criteria are not met				
Reproductive toxicity	: Not classified				
Additional information	: Based on available data, the classification criteria are not met				
Specific target organ toxicity (single exposure)	: May cause respiratory irritation. May cause drowsiness or dizziness.				
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.				
Aspiration hazard	: Not classified.				
Additional information	: Based on available data, the classification criteria are not met				

PERMATEX INJECTOR DECARBONIZER GASKET REMOVER	
Vaporizer	Aerosol
Viscosity, kinematic	< 7 mm <sup>2</sup> /s @40°C

Potential adverse human health effects and : Harmful if inhaled.

symptoms

### **SECTION 12: Ecological information**

### 12.1. Toxicity

ISOTRIDECANOL, ETHOXYLATED (69011-36-5)		
LC50 other aquatic organisms 1	1 - 10 mg/l CYPRINUS CARPIO	
EC50 Daphnia 1	1 - 10 mg/l	
EC50 72h algae (1)	1 - 10 mg/l DESMODESMUS SUBSPICATUS	

### 12.2. Persistence and degradability

12.2. Fersistence and degradability		
PERMATEX INJECTOR DECARBONIZER GASI	KET REMOVER	
Persistence and degradability	Not established.	

### 12.3. Bioaccumulative potential

PERMATEX INJECTOR DECARBONIZER GAS	KET REMOVER
Bioaccumulative potential	Not established.

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

12.6.	Other	adverse	offects
12.0.	Other	auverse	enecis

Additional information : Avoid release to the environment

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### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of

contents/container to hazardous or special waste collection point, in accordance with local,

regional, national and/or international regulation.

Ecology - waste materials : Avoid release to the environment.

### **SECTION 14: Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

 UN-No. (ADR)
 : 1950

 UN-No. (IMDG)
 : 1950

 UN-No. (IATA)
 : 1950

 UN-No. (ADN)
 : Not regulated

 UN-No. (RID)
 : Not regulated

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : AEROSOLS
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (IATA) : Aerosols, flammable

Proper Shipping Name (ADN) : Not regulated Proper Shipping Name (RID) : Not regulated

Transport document description (ADR) : UN 1950 AEROSOLS, 2.1, (D)
Transport document description (IMDG) : UN 1950 AEROSOLS, 2.1
Transport document description (IATA) : UN 1950 Aerosols, flammable, 2.1

### 14.3. Transport hazard class(es)

### **ADR**

Transport hazard class(es) (ADR) : 2.1
Danger labels (ADR) : 2.1



#### **IMDG**

Transport hazard class(es) (IMDG) : 2.1
Danger labels (IMDG) : 2.1



#### IATA

Transport hazard class(es) (IATA) : 2.1 Hazard labels (IATA) : 2.1



#### ADN

Transport hazard class(es) (ADN) : Not regulated

### RID

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Transport hazard class(es) (RID) : Not regulated

**Packing group** 

: Not applicable Packing group (ADR) : Not applicable Packing group (IMDG) Packing group (IATA) : Not applicable Packing group (ADN) : Not regulated Packing group (RID) : Not regulated

**Environmental hazards** 

: No Dangerous for the environment Marine pollutant : No

Other information : No supplementary information available

#### 14.6. Special precautions for user

#### - Overland transport

Classification code (ADR) : 5F

Special provisions (ADR) : 190, 327, 344, 625

Limited quantities (ADR) · 1I Excepted quantities (ADR) : E0

Packing instructions (ADR) : P207, LP02 : PP87, RR6, L2 Special packing provisions (ADR)

Mixed packing provisions (ADR) : MP9 Transport category (ADR) : 2 Special provisions for carriage - Packages : V14

(ADR)

Special provisions for carriage - Loading, : CV9, CV12

unloading and handling (ADR)

Special provisions for carriage - Operation : S2

(ADR)

Tunnel restriction code (ADR) : D

### - Transport by sea

: 63, 190, 277, 327, 344, 959 Special provisions (IMDG)

: SP277

Limited quantities (IMDG) Excepted quantities (IMDG) : E0 Packing instructions (IMDG) : P207, LP02 Special packing provisions (IMDG) : PP87, L2 EmS-No. (Fire) : F-D : S-U EmS-No. (Spillage)

Stowage category (IMDG) : None Stowage and handling (IMDG) : SW1, SW22 Segregation (IMDG) : SG69

### - Air transport

PCA Excepted quantities (IATA) : E0 PCA Limited quantities (IATA) : Y203 PCA limited quantity max net quantity (IATA) : 30kgG PCA packing instructions (IATA) : 203 PCA max net quantity (IATA) : 75kg CAO packing instructions (IATA) : 203 CAO max net quantity (IATA) : 150kg

Special provisions (IATA) : A145, A167, A802

ERG code (IATA) : 10L

### - Inland waterway transport

Not regulated

### - Rail transport

Not regulated

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

Not applicable

### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Allergenic fragrances > 0,01%:

benzyl alcohol

Detergent Regulation : Labelling of contents:

Botorgont regulation: Edboning or contonto.		
	Component	%
	aromatic hydrocarbons	>=30%
	aliphatic hydrocarbons	15-30%
	non-ionic surfactants	<5%

#### 15.1.2. National regulations

#### Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS,

Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

: Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### **SECTION 16: Other information**

Data sources : 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending

Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute toxicity (dermal), Category 4
Acute toxicity (inhal.), Category 4
Acute toxicity (oral), Category 4
Aspiration hazard, Category 1
Serious eye damage/eye irritation, Category 1
Serious eye damage/eye irritation, Category 2
Flammable liquids, Category 2
Flammable liquids, Category 3
Skin corrosion/irritation, Category 2
Specific target organ toxicity — Repeated exposure, Category 2
Specific target organ toxicity — Single exposure, Category 3, Narcosis
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
Extremely flammable aerosol
Highly flammable liquid and vapour
Flammable liquid and vapour
Pressurised container: May burst if heated
Harmful if swallowed
May be fatal if swallowed and enters airways
Harmful in contact with skin
Causes skin irritation
Causes serious eye damage
Causes serious eye irritation
Harmful if inhaled
May cause respiratory irritation

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H336	May cause drowsiness or dizziness			
H373	May cause damage to organs through prolonged or repeated exposure			
Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:				
Aerosol 1	H222;H229	On basis of test data		
Acute Tox. 4 (Inhalation:dust,mist)	H332	Calculation method		
Skin Irrit. 2	H315	Calculation method		
Eye Irrit. 2	H319	Calculation method		
STOT SE 3	H335	Calculation method		
STOT SE 3	H336	Calculation method		
STOT RE 2	H373	Calculation method		

### SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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