



# DETAG

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: 4/6/2018 Version: 0.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Anti-graffiti wipes  
Product code : 1845  
Type of product : Cleaning solvent, Graffiti remover, Detergent  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : anti graffiti wipes

##### 1.2.2. Uses advised against

No additional information available

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

IBIX SRL  
Via La Viola 2, S. Maria in fabriago (RA)  
Tel: +39 0545 994589 - Fax: +39 0545 994567  
www.ibixbiocare.it - info@ibixbiocare.it

#### 1.4. Emergency telephone number

Emergency number : +39-02-661010029

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Not classified

##### Adverse physicochemical, human health and environmental effects

Exposure may produce an allergic reaction.

#### 2.2. Label elements

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

EUH-statements : EUH210 - Safety data sheet available on request.  
EUH208 - Contains (R)-p-mentha-1,8-diene; d-limonene(5989-27-5). May produce an allergic reaction.

#### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.  
PBT: not relevant – no registration required  
vPvB: not relevant – no registration required

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments : Note 1:  
substance with a Community workplace exposure limit

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4-hydroxy-4-methylpentan (Note 1)	(CAS-No.) 123-42-2 (EC-No.) 204-626-7 (EC Index-No.) 603-016-00-1 (REACH-no) 01-2119473975-21	2.5 - 10	Eye Irrit. 2, H319
(R)-p-mentha-1,8-diene; d-limonene	(CAS-No.) 5989-27-5 (EC-No.) 227-813-5 (EC Index-No.) 601-029-00-7 (REACH-no) 01-2119529223-47	0 - 2.5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
4-hydroxy-4-methylpentan (Note 1)	(CAS-No.) 123-42-2 (EC-No.) 204-626-7 (EC Index-No.) 603-016-00-1 (REACH-no) 01-2119473975-21	(C >= 10) 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 : In case of doubt or persistent symptoms, consult always a physician. Never give anything by mouth to an unconscious person.
- First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area. In case of an allergic reaction, seek medical attention.
- First-aid measures after skin contact : Rinse immediately with plenty of water for 15 minutes. Remove contaminated clothing and shoes and wash them before use.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes (10-15). Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Do not give the affected person anything to drink, even if he is fully conscious. Ask for medical advice.

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

- Symptoms/effects : If you feel unwell, seek medical advice.
- Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.
- Symptoms/effects after ingestion : Ingestion unlikely.

### 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 : Carbon dioxide. Foam. Dry powder.
- Unsuitable extinguishing media : Strong water jet.

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

No additional information available

### 5.3. Advice for firefighters

- Firefighting instructions : 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 : Avoid breathing smokes. Equip cleanup crew with proper protection.

### 6.2. Environmental precautions

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

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### 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. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections

Exposure controls and personal protection. See Heading 8. For disposal of residues refer to section 13: Disposal considerations" "

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood. Do not re-use empty containers without proper cleaning or reconditioning. Do not eat, drink or smoke when using this product.

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

Storage conditions : Store in original container. Store in a dry place.  
 Maximum storage period : 24 months  
 Storage temperature : entre 0 - 40 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

DETAG		
France	VME (mg/m <sup>3</sup> )	240
France	VME (ppm)	50 ppm
4-hydroxy-4-methylpentan (123-42-2)		
France	VME (mg/m <sup>3</sup> )	240 mg/m <sup>3</sup>
France	VME (ppm)	50 ppm
France	Note (FR)	valeurs indicatives, TMP n°84

4-hydroxy-4-methylpentan (123-42-2)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	240 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	9.4 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	66.4 mg/m <sup>3</sup>
Long-term - local effects, inhalation	66.4 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	2 mg/l
PNEC aqua (marine water)	0.2 mg/l
PNEC (Soil)	
PNEC soil	0.63 mg/kg dwt

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
PNEC (Water)	
PNEC aqua (freshwater)	5.4 mg/l
PNEC aqua (marine water)	0.54 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1.32 mg/kg dwt
PNEC sediment (marine water)	0.132 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.262 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1.8 mg/l

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### 8.2. Exposure controls

#### Appropriate engineering controls:

The use of appropriate technical measures should always have priority over the use of personal protective equipment. Provide local exhaust or general room ventilation. We recommend to use: Emergency eye wash fountain with clean water.

#### Personal protective equipment:

Avoid all unnecessary exposure. Store personal protective equipment in a clean place, away from the work area. Use personal protective equipment clean and properly maintained.

#### Hand protection:

In case of repeated or prolonged contact wear gloves. Wear appropriate gloves resistant to chemical products (European norm EN 374), Polyvinylchloride (PVC) / Nitrile rubber (NBR) / Latex. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. The time of rupture of the material of the glove is to be determined by the manufacturer of the gloves and to be respected.

#### Eye protection:

Chemical goggles or safety glasses, compliant with the standard. Standard EN 166 - Personal eye-protection.

#### Skin and body protection:

Wear suitable protective clothing. Remove contaminated clothing and shoes and wash them before use.

#### Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In case of insufficient ventilation, wear suitable respiratory equipment.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: No data available
Odour	: No data available
Odour threshold	: No data available
pH	: Not applicable.
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	: 67 °C
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	: < 110 kPa
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1040 - 1110 kg/m <sup>3</sup>
Solubility	: Material insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: < 30 mPa.s These data are related to impregnated solution of cleaning pads.
Explosive properties	: Product is not explosive. The product is not flammable. No auto-ignition.
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

Additional information : These data are related to impregnated solution of cleaning pads.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable product for advised use and storage requirements.

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### 10.2. Chemical stability

Stable product for advised use and storage requirements.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Thermal decomposition generates: Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

4-hydroxy-4-methylpentan (123-42-2)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	7.6 mg/l/4h
Toxicological sheet of INRS (France)	n°61

  

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
LD50 dermal rat	4400 mg/kg
Toxicological sheet of INRS (France)	n°227

Skin corrosion/irritation : Not classified  
pH: Not applicable.

Serious eye damage/irritation : Not classified  
pH: Not applicable.

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

Potential adverse human health effects and symptoms : No data available.

Other information : INRS: (FRANCE only). Toxicological sheet of INRS (France) : n° 227 (CAS 5989-27-5).

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Handle in accordance with good industrial hygiene and safety practice. Do not discharge into drains or the environment.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

4-hydroxy-4-methylpentan (123-42-2)	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 100 mg/l

  

(R)-p-mentha-1,8-diene; d-limonene (5989-27-5)	
LC50 fish 1	30 mg/l 72h [mg/l]

### 12.2. Persistence and degradability

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Persistence and degradability	Readily biodegradable.

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<b>DETAG</b>	
Biodegradation	95 % en 29 jours
<b>4-hydroxy-4-methylpentan (123-42-2)</b>	
Persistence and degradability	Readily biodegradable.

### 12.3. Bioaccumulative potential

<b>DETAG</b>	
Bioaccumulative potential	Not established.
<b>4-hydroxy-4-methylpentan (123-42-2)</b>	
Log Kow	-0.09
Bioaccumulative potential	Not potentially bioaccumulable.

### 12.4. Mobility in soil

<b>DETAG</b>	
Mobility in soil	Not established
<b>4-hydroxy-4-methylpentan (123-42-2)</b>	
Ecology - soil	Weak.

### 12.5. Results of PBT and vPvB assessment

<b>DETAG</b>	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	

### 12.6. Other adverse effects

Additional information : No other effects known. Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- Regional legislation (waste) : Proper management of waste mixture and / or its container must be determined in accordance with Directive 2008/98/EC. Do not discharge the product into the environment.
- Waste treatment methods : Give to an approved recuperator. The regulation relating to waste is codified in the CODE OF ENVIRONMENT, according to Schedule n°2000-914 of September 18, 2000 relating to the legislative part of the code of environment. - The various texts found are; L.541-1 article with L.541-50 article being with the Book V (Prevention of pollution, the risks and the harmful effects), Title IV (Waste), Chapter I (Waste disposal and recovery of materials).
- Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Discharging into rivers and drains is forbidden. Do not evacuate with normal garbages.
- Additional information : Industrial waste. Empty the containers, preserve the labels. Do not re-use empty containers without proper cleaning or reconditioning. Dispose of the empty packaging in accordance with local regulations for disposing of this type of waste e.g.: by taking it to a waste disposal site.
- Ecology - waste materials : Entrust the uncontaminated packaging to a licensed waste contractor.

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Transport regulations for dangerous product are not applied to the product.	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Transport regulations (ADR) : Not subject

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### - Transport by sea

Transport regulations (IMDG) : Not subject

### - Air transport

Transport regulations (IATA) : Not subject

### - Inland waterway transport

Transport regulations (ADN) : Not subject

### - Rail transport

Transport regulations (RID) : Not subject

## 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%:

D-LIMONENE

Detergent Regulation : Labelling of contents:

Component	%
perfumes	
D-LIMONENE	

#### 15.1.2. National regulations

HYGIENES AND OCCUPATIONAL SAFETIES: - R232-5 Articles in R232-5-14 of the Code of work - Decrees of October 8, 1987 relating to controls of the installations.

#### France

Occupational diseases : RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Abbreviations and acronyms:

	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
	IMDG : International Maritime Dangerous Goods
	IATA: International Air Transport Association
	ICAO: International Civil Aviation Organization
	RID : Regulations concerning the International carriage of Dangerous goods by rail.
	Water hazard class (WGK)
	LC50 : Lethal concentration 50 percent
	LD50 : Lethal dose 50 percent
	CAS : Chemical Abstract Service
	REACH : Registration, Evaluation, Authorization and restriction of CHemicals
	SVHC : Substances of Very High Concern
DNEL	Derived-No Effect Level
PNEC	Predicted No-Effect Concentration
	SADT : Self Acceleration Decomposition Temperatur

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

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Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	Contains (R)-p-mentha-1,8-diene; d-limonene(5989-27-5). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

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*