



# SAFETY DATA SHEET

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Revision nr : 3

Date : 27 / 9 / 2012

Supersedes : 3 / 12 / 2009

**DETAG PS 1098****1471**

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Identification of the product : Liquid.  
Trade name : DETAG PS 1098.  
Type of product : Fast action graffiti removal solution.

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

Use : For professional use only.

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

Company identification : SOCIETE INDUSTRIELLE DE DIFFUSION  
2, rue Antoine ETEX  
94046 CRETEIL CEDEX France  
Tel. + 33 (0)1 45 17 43 00 - Fax + 33 (0)1 43 99 98 65  
www.sid.tm.fr  
Responsible : Gérard HERLIN - Technical responsible - email : gherlin@sid.tm.fr

### 1.4. Emergency telephone number

Emergency phone nr : ORFILA : +33 (0)1 45 42 59 59

## 2 Hazards identification

### Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

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

#### 2.2. Label elements

##### Labelling Regulation EC 1272/2008 (CLP)

Symbol(s) : None.  
R Phrase(s) : None.  
S Phrase(s) : S2 : Keep out of the reach of children.  
S15 : Keep away from heat.  
S23 : Do not breathe spray.  
S24/25 : Avoid contact with skin and eyes.  
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S37 : Wear suitable gloves.  
S39 : Wear eye/face protection.  
S49 : Keep only in the original container.

#### 2.3. Other hazards

None under normal conditions.

## 3 Composition/information on ingredients

This product is not considered to be hazardous but contains hazardous components.

Substance name	Value(s)	CAS nr	EINECS nr	EC index	REACH	Classification
(R)-p-mentha-1,8-diene	< 1 %	5989-27-5	227-813-5	601-029-00-7	01-2119529223-47	R10 Xi, R38 R43 N; R50-53 ----- Flam. Liq. 3 (H226) Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)



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### 3 Composition/information on ingredients (continued)

Substance name	Value(s)	CAS nr	EINECS nr	EC index	REACH	Classification	
Ester of fat acid	:	----	----	----	----	-----	
Dimethyl sulfoxide	:	67-68-5	200-664-3	----	01-2119431362-50	-----	
4-hydroxy-4-methylpentan	:	< 8 %	123-42-2	204-626-7	603-016-00-1	01-2119473975-21	Xi; R36 ----- Eye irrit 2 (H319) Flam. Liq. 3 (H226)

### 4. First aid measures

**General information** : In case of doubt or persistent symptoms, always consult a doctor. Do never introduce nothing with an unconscious person.

#### 4.1. Description of first aid measures

- Inhalation : In case of massive inhalation and for a long time, bring to fresh air and liberate the respiratory tracts.
- Skin contact : Remove contaminated clothing. Wash abundantly skin with mild soap and water.
- Eye contact : Rinse immediately with plenty of water.  
Consult a specialist.
- Ingestion : Do not induce vomiting (risk of bronchial inhalation). Put the patient in safety position. Transfer immediately to hospital.

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

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

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

##### Extinguishing media

- Not to be used : Jet of water
- Suitable : Carbon dioxide. Dry chemical. Foam.

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

#### 5.3. Advice for fire-fighters

- Protection against fire** : People involved in fire-fighting should be equipped with protective clothing and self-contained breathing apparatus.
- Special procedures** : Use water spray or fog for cooling exposed containers.  
Move the combustible products away from fire.  
Disperse the vapors with waterspray.

### 6. Accidental release measures

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

- Technical measures** : Keep personnel away. Stop or limit any leakage if it is possible. Eliminate every possible source of ignition.



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## 6. Accidental release measures (continued)

**Personal precautions** : Equip cleanup crew with proper protection.  
Refer to the protection measures enumerated in headings 7 and 8.

### 6.2. Environmental precautions

**Environmental precautions** : Dike for recovery or absorb with appropriate material.  
Notify authorities if liquid enters sewers or public waters. Notify occupants and navigation crew of the zones located under the wind. Ask them to keep their distance.

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

### 6.4. Reference to other sections

## 7. Handling and storage

### 7.1. Precautions for safe handling

**Handling precaution** : Handle away from any source of flames, sparks of heat. No smoking. Open slowly the containers in order to avoid a possible depressurisation. Be careful with wicking. Do not flush down sewers.

**Technical protective measures** : Use only in well ventilated areas.

**Utilization advice** : Do not mix with an other chemical product. Keep the package properly closed.  
Keep the minimum of product in the workplace.

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

**Storage** : Store away from any heat source , sunlight and bad weather. Store away from any flame, heat source or ignition source. Protect from freezing. Avoid accumulation of electrostatic charges. Forsee good grounding for a storage in bulk. Keep container tightly closed with label. Copy labeling in case of splitting of packings.

**Storage life/conservation** : Original packing recommended.  
High density polyethylene (HDPE)  
Incompatible packing : Natural rubber, butyl rubber, polystyrene, EPDM.

### 7.3. Specific end use(s)

## 8. Exposure controls/personal protection

### 8.1. Control parameters

**Occupational Exposure Limits** : 4-hydroxy-4-methylpentan : VLEP - France - long-term value [mg/m<sup>3</sup>] : 240  
4-hydroxy-4-methylpentan : VLEP - France - long-term value [ppm] : 50

### 8.2. Occupational Exposure Limits

**Personal protection**



- Hand protection : Wear suitable gloves (nitrile rubber for example).  
- Skin protection : Wear suitable protective clothing.  
- Eye protection : Safety glasses.



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## 8. Exposure controls/personal protection (continued)

**Personal hygiene** : Wash hands and any exposed skin with mild soap and water before eat, drink or smoke and when leaving work.  
Remove immediately contaminated clothing.  
Wash clothing before re-using.

## 9. Physical and chemical properties

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

**Physical state** : Liquid.  
**Colour** : Colourless to light yellow.  
**Odour** : Characteristic.  
**pH value** : Not applicable.  
**Initial boiling point [°C]** : 75  
**Decomposition point [°C]** : > 200°C  
**Density [kg/m<sup>3</sup>]** : 1075 +/- 35  
**Viscosity** : < 30 mPa.s  
**Solubility in water** : Material insoluble in water.  
**Solubility in** : Soluble in organic solvents.  
**Flash point [°C]** : 67

• Flammability

• Partition coefficient : n-octanol / water

### 9.2. Other information

• Thermal decomposition

## 10. Stability and reactivity

### 10.1. Reactivity

**Hazardous reactions** : Stable product for advised use and storage requirements.

### 10.2. Chemical stability

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

**Conditions to avoid** : Store away from any flame, heat source or ignition source. Heat sources.

### 10.5. Incompatible materials

**Materials to avoid** : Do not mix with other product.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** : In case of decomposition by exposure to an intense heat source, a flame, carbon monoxide and dioxide can be formed.

## 11. Toxicological information

### **SOCIETE INDUSTRIELLE DE DIFFUSION**

2, rue Antoine ETEX 94046 CRETEIL CEDEX France  
Tel. + 33 (0)1 45 17 43 00 - Fax + 33 (0)1 43 99 98 65  
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## 11. Toxicological information (continued)

### 11.1. Information on toxicological effects

- Rat oral LD50 [mg/kg] : No data available.
- Local toxicity
- Inhalation : Repeated exposures to vapor concentrations higher than the average exposure values can be irritating for the respiratory tracts.
  - Dermal : Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis.
  - Ocular : Possibility of temporary irritation.
  - Ingestion : In case of aspiration of liquid via the respiratory ways, risks of damage to the lungs and pulmonary oedema.
- On ingredients
- 4-hydroxy-4-methylpentan : Rat oral LD50 [mg/kg] : 3002 OEDC401  
: Rabbit dermal LD50 [mg/kg] : 13750 oedc 402  
: - Inhalation : mg/l, LC0 (rat, 8h) 7.2 OECD 403
- (R)-p-mentha-1,8-diene : Rat oral LD50 [mg/kg] : 4400

## 12. Ecological information

### 12.1. Toxicity

- LC50-96 Hour - fish [mg/l] : No data available.
- Ecological effects information : Do not release in sewage or in environment.
- On ingredients :
- 4-hydroxy-4-methylpentan : Other : IC5 (168h) [mg/l] 3000 scenedesmus quadricauda, OEDC 401
  - 4-hydroxy-4-methylpentan : Other : EC3 (16h) [mg/l] 825 pseudomonas putida
  - 4-hydroxy-4-methylpentan : 96 Hour-LC50 : (bactéries) 1000 mg/L
  - 4-hydroxy-4-methylpentan : LC50-96 Hour - fish [mg/l] : 420 Lepomis macrochirus
  - 4-hydroxy-4-methylpentan : Biodegradation [%] : 14 days, 100 Easily biodegradable
  - 4-hydroxy-4-methylpentan : 24 H-CE50 - Daphnia magna [mg/l] : 9000
  - 4-hydroxy-4-methylpentan : LC50- fish [mg/l] : 100
  - 4-hydroxy-4-methylpentan : 24 H-CE50 - Seewead [mg/l] : 1000

### 12.2. Persistence - degradability

- Persistence and degradability : > 77%

### 12.3. Bioaccumulative potential

### 12.4. Mobility in soil

### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

## 13. Disposal considerations

### 13.1. Waste treatment methods

- Waste disposal : Avoid release to the environment. Do not flush down sewers.  
Give soiled packings to an approved recuperator.



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## 13. Disposal considerations (continued)

- Packing** : Give to an approved recuperator.  
**General information** : In any case, comply with local or national laws and regulations in use.

## 14. Transport information

- General information** : Transport regulations for dangerous product are not applied to the product.

### 14.1. UN Number

### 14.2. Proper shipping name

### 14.3. Transport Hazard Classification

- Land transport  
Sea transport  
Air transport

### 14.4. Packing group

### 14.5. Environmental hazards

### 14.6. Special precautions for user

- Emergency action in case of accident** : No naked lights. No smoking.  
Keep public away from danger area.  
NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.
- In case of spillage and/or leakage** : Clean up even minor leaks or spills if possible without unnecessary risk.

### 14.7. Bulk transport - annex II Marpol 73/78 - IBC

- Further information**

## 15. Regulatory information

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

Ensure all national/local regulations are observed.

- Table of Professional diseases.** : - N° 84 (solvents): Affections generated by liquid organic solvents for professional use.

### 15.2. Chemical Safety Assessment

## 16. Other information

- Product information** : HS Code : 3814.00.90  
**Further information** : Revision - See : \*  
**Relevant Risk phrase :** : R10 : Flammable.  
R36 : Irritating to eyes.  
R38 : Irritating to skin.  
R43 : May cause sensitization by skin contact.  
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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**DETAG PS 1098****1471****16. Other information (continued)**

Print date : 28 / 9 / 2012

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