

# Fixatif HC10

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010  
Date of issue:5/4/2015 Revision date:11/2/2015Supersedes:9/16/2015 Version: 1.1

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Fixatif HC10  
Product code : N135257  
Type of product : Aerosol.,Varnish

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

##### 1.2.1. Relevant identified uses

Main use category : Consumer use

##### 1.2.2. Uses advised against

No additional information available

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

SENNELIER / MAX SAUER S.A.S.  
2 Rue Lamarck CS30204  
22000 SAINT-BRIEUC – France  
tel : (33) 2 96 68 20 00 fax : (33) 2 96 61 77 19

#### 1.4. Emergency telephone number

| Country        | Organisation/Company  | Address   | Emergency number | Comment  |
|----------------|---|---|------------------|--|
| United Kingdom | National Poisons Information Service (Newcastle Centre)<br>Regional Drugs and Therapeutics Centre, Wolfson Unit | Claremont Place<br>Newcastle-upon-Tyne<br>NE1 4LP Newcastle | 0844 892 0111    | UK only, Monday to Friday,<br>08.00 to 18.00 hours |

### SECTION 2: Hazards identification

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

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

Aerosol, Category 1 H222;H229  
Serious eye damage/eye irritation, Category 2 H319  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336

Full text of H statements : see section 16

##### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F+; R12  
Xi; R36  
R66  
R67

Full text of R-phrases: see section 16

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) : Danger  
Hazardous ingredients : ethyl acetate, Acetone  
Hazard statements (CLP) : H222 - Extremely flammable aerosol  
H229 - Pressurised container: May burst if heated  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness

# Fixatif HC10

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

|                                |  |
|--------------------------------|--|
| Precautionary statements (CLP) | : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking<br>P251 - Pressurized container: Do not pierce or burn, even after use<br>P271 - Use only outdoors or in a well-ventilated area<br>P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F<br>P501 - Dispose of contents/container to an authorised waste collection point<br>P211 - Do not spray on an open flame or other ignition source |
| Child-resistant fastening      | : No   |
| Tactile warning                | : No   |

### 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 Directive 67/548/EEC | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------------|---|---------|--|---|
| dimethyl ether                  | (CAS No) 115-10-6<br>(EC no) 204-065-8<br>(EC index no) 603-019-00-8<br>(REACH-no) 01-2119472128-37 | 30 - 50 | F+; R12  | Flam. Gas 1, H220<br>Press. Gas                                 |
| 2-methoxy-1-methylethyl acetate | (CAS No) 108-65-6<br>(EC no) 203-603-9<br>(EC index no) 607-195-00-7<br>(REACH-no) 01-2119475791-29 | 10 - 30 | R10  | Flam. Liq. 3, H226  |
| ethyl acetate                   | (CAS No) 141-78-6<br>(EC no) 205-500-4<br>(EC index no) 607-022-00-5<br>(REACH-no) 01-2119475103-46 | 10 - 30 | F; R11<br>Xi; R36<br>R66<br>R67                  | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336     |
| Acetone                         | (CAS No) 67-64-1<br>(EC no) 200-662-2<br>(EC index no) 606-001-00-8<br>(REACH-no) 01-2119471330-49  | < 10    | F; R11<br>Xi; R36<br>R66<br>R67                  | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336     |

Full text of R- and H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures general            | : Call a POISON CENTER/doctor/physician if you feel unwell.  |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | : Wash skin with plenty of water.  |
| 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    | : Call a POISON CENTER/doctor/physician if you feel unwell.  |

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

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Symptoms/injuries                   | : May cause drowsiness or dizziness. |
| Symptoms/injuries after eye contact | : Eye irritation.                    |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                     |
|--------------------------------|-------------------------------------|
| Suitable extinguishing media   | : Foam. Carbon dioxide. Water haze. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.  |

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

|                  |   |
|------------------|---|
| Fire hazard      | : Extremely flammable aerosol.                |
| Explosion hazard | : Pressurised container: May burst if heated. |

# Fixatif HC10

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Hazardous decomposition products in case of fire : Thermal decomposition generates : fume. Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Recover mechanically the product.

Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Incompatible materials : Direct sunlight. Heat sources. Sources of ignition.

Storage temperature : < 50 °C

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| dimethyl ether (115-10-6)                  |                               |                         |
|--|-------------------------------|-------------------------|
| United Kingdom                             | Local name                    | Dimethyl ether          |
| United Kingdom                             | WEL TWA (mg/m <sup>3</sup> )  | 766 mg/m <sup>3</sup>   |
| United Kingdom                             | WEL TWA (ppm)                 | 400 ppm                 |
| United Kingdom                             | WEL STEL (mg/m <sup>3</sup> ) | 958 mg/m <sup>3</sup>   |
| United Kingdom                             | WEL STEL (ppm)                | 500 ppm                 |
| 2-methoxy-1-methylethyl acetate (108-65-6) |                               |                         |
| United Kingdom                             | Local name                    | 1-Methoxypropyl acetate |
| United Kingdom                             | WEL TWA (mg/m <sup>3</sup> )  | 274 mg/m <sup>3</sup>   |
| United Kingdom                             | WEL TWA (ppm)                 | 50 ppm                  |
| United Kingdom                             | WEL STEL (mg/m <sup>3</sup> ) | 548 mg/m <sup>3</sup>   |
| United Kingdom                             | WEL STEL (ppm)                | 100 ppm                 |
| United Kingdom                             | Remark (WEL)                  | Sk                      |
| ethyl acetate (141-78-6)                   |                               |                         |
| United Kingdom                             | Local name                    | Ethyl acetate           |
| United Kingdom                             | WEL TWA (ppm)                 | 200 ppm                 |
| United Kingdom                             | WEL STEL (ppm)                | 400 ppm                 |

# Fixatif HC10

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

| Acetone (67-64-1) |                               |                        |
|-------------------|-------------------------------|------------------------|
| United Kingdom    | Local name                    | Acetone                |
| United Kingdom    | WEL TWA (mg/m <sup>3</sup> )  | 1210 mg/m <sup>3</sup> |
| United Kingdom    | WEL TWA (ppm)                 | 500 ppm                |
| United Kingdom    | WEL STEL (mg/m <sup>3</sup> ) | 3620 mg/m <sup>3</sup> |
| United Kingdom    | WEL STEL (ppm)                | 1500 ppm               |

### 8.2. Exposure controls

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | : Ensure good ventilation of the work station.   |
| Hand protection                  | : In case of repeated or prolonged contact wear gloves. The choice of appropriate gloves depends not only on the material, but also on other quality criteria that may vary from one manufacturer to another. As the product is a preparation made from several substances, glove material resistance may not be calculated in advance and must be tested before use. The exact penetration time of glove material is to be determined by the manufacturer of protective gloves and respected. |
| Eye protection                   | : Safety glasses   |
| Skin and body protection         | : Wear suitable protective clothing  |
| Respiratory protection           | : In case of insufficient ventilation, wear suitable respiratory equipment   |
| Environmental exposure controls  | : Avoid release to the environment.  |

## SECTION 9: Physical and chemical properties

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

|  |   |
|--|---|
| Physical state                             | : Liquid  |
| Appearance                                 | : Liquid.   |
| Colour                                     | : Colourless.   |
| Odour                                      | : Organic solvent.                                      |
| Odour threshold                            | : No data available                                     |
| pH   | : No data available                                     |
| Relative evaporation rate (butylacetate=1) | : No data available                                     |
| Melting point                              | : Not applicable  |
| Freezing point                             | : No data available                                     |
| Boiling point                              | : < 0 °C  |
| Flash point                                | : < 0 °C  |
| Auto-ignition temperature                  | : No data available                                     |
| Decomposition temperature                  | : No data available                                     |
| Flammability (solid, gas)                  | : Extremely flammable aerosol                           |
| Vapour pressure                            | : No data available                                     |
| Relative vapour density at 20 °C           | : No data available                                     |
| Relative density                           | : No data available                                     |
| Density                                    | : 0.8 g/cm <sup>3</sup>                                 |
| Solubility                                 | : insoluble in water. soluble in most organic solvents. |
| Log Pow                                    | : No data available                                     |
| Viscosity, kinematic                       | : No data available                                     |
| Viscosity, dynamic                         | : No data available                                     |
| Explosive properties                       | : Pressurised container: May burst if heated.           |
| Oxidising properties                       | : No data available                                     |
| Explosive limits                           | : No data available                                     |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

### 10.2. Chemical stability

Stable under normal conditions. Extremely flammable aerosol. Heating may cause a fire or explosion.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

# Fixatif HC10

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : fume. Carbon dioxide. Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| <b>dimethyl ether (115-10-6)</b>                  |               |
|---|---------------|
| LC50 inhalation rat (mg/l)                        | 312 mg/l/4h   |
| <b>2-methoxy-1-methylethyl acetate (108-65-6)</b> |               |
| LD50 oral rat                                     | > 5000 mg/kg  |
| LD50 dermal rabbit                                | > 5000 mg/kg  |
| LC50 inhalation rat (mg/l)                        | 23.8 mg/l /6H |
| LC50 inhalation rat (ppm)                         | 4345 ppm /6H  |
| <b>ethyl acetate (141-78-6)</b>                   |               |
| LD50 oral rat                                     | > 2000 mg/kg  |
| LD50 dermal rabbit                                | > 2000 mg/kg  |
| <b>Acetone (67-64-1)</b>                          |               |
| LD50 oral rat                                     | 5800 mg/kg    |
| LD50 dermal rabbit                                | > 15800 mg/kg |
| LC50 inhalation rat (mg/l)                        | ≈ 76 mg/l/4h  |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
Specific target organ toxicity (single exposure) : May cause drowsiness or dizziness.  
Specific target organ toxicity (repeated exposure) : Not classified  
Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

| <b>dimethyl ether (115-10-6)</b>                  |                   |
|---|-------------------|
| LC50 fish 1                                       | > 4000 mg/l       |
| EC50 Daphnia 1                                    | > 4000 mg/l       |
| <b>2-methoxy-1-methylethyl acetate (108-65-6)</b> |                   |
| LC50 fish 1                                       | > 100 mg/l        |
| EC50 Daphnia 1                                    | > 500 mg/l        |
| ErC50 (algae)                                     | > 1000 mg/l       |
| <b>ethyl acetate (141-78-6)</b>                   |                   |
| LC50 fish 1                                       | > 100 mg/l        |
| EC50 other aquatic organisms 1                    | > 100 mg/l        |
| ErC50 (algae)                                     | > 100 mg/l        |
| <b>Acetone (67-64-1)</b>                          |                   |
| LC50 fish 1                                       | 5540 - 11000 mg/l |
| EC50 Daphnia 1                                    | 8800 mg/l         |
| NOEC chronic algae                                | 430 mg/l          |

# Fixatif HC10

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### 12.2. Persistence and degradability

#### ethyl acetate (141-78-6)

Biodegradation > 70 % OCDE 301 D 28 days

### 12.3. Bioaccumulative potential

#### dimethyl ether (115-10-6)

Log Pow 0.18

#### 2-methoxy-1-methylethyl acetate (108-65-6)

Log Pow 0.36

Log Kow 0.43

#### ethyl acetate (141-78-6)

Log Pow 0.68

#### Acetone (67-64-1)

Log Kow -0.24

### 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 effects

No additional information available

## SECTION 13: Disposal considerations






### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.

## SECTION 14: Transport information

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

| ADR  | IMDG  | IATA  | ADN  | RID   |
|--|---|---|--|---|
| <b>14.1. UN number</b>   |   |   |  |   |
| 1950   | 1950  | 1950  | 1950   | 1950  |
| <b>14.2. UN proper shipping name</b>   |   |   |  |   |
| AEROSOLS   | AEROSOLS  | Aerosols, flammable   | AEROSOLS   | AEROSOLS  |
| <b>Transport document description</b>  |   |   |  |   |
| UN 1950 AEROSOLS, 2.1, (D)   | UN 1950 AEROSOLS, 2.1   |   |  |   |
| <b>14.3. Transport hazard class(es)</b>  |   |   |  |   |
| 2.1  | 2.1   | 2.1   | 2.1  | 2.1   |
|  |  |  |  |  |
| <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<br>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

Classification code (ADR) : 5F  
 Special provisions (ADR) : 190, 327, 344, 625  
 Limited quantities (ADR) : 11  
 Excepted quantities (ADR) : E0

# Fixatif HC10

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

|   |                 |
|---|-----------------|
| Packing instructions (ADR)  | : P207, LP02    |
| Special packing provisions (ADR)  | : PP87, RR6, L2 |
| Mixed packing provisions (ADR)  | : MP9           |
| Transport category (ADR)  | : 2             |
| Special provisions for carriage - Packages (ADR)                        | : V14           |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV9, CV12     |
| Special provisions for carriage - Operation (ADR)                       | : S2            |
| Tunnel restriction code (ADR)   | : D             |

### - Transport by sea

|                                   |  |
|-----------------------------------|--|
| Special provisions (IMDG)         | : 63, 190, 277, 327, 344, 959  |
| Limited quantities (IMDG)         | : SP277  |
| Excepted quantities (IMDG)        | : E0   |
| Packing instructions (IMDG)       | : P207, LP02   |
| Special packing provisions (IMDG) | : PP87, L2   |
| EmS-No. (Fire)                    | : F-D  |
| EmS-No. (Spillage)                | : S-U  |
| Stowage category (IMDG)           | : None   |
| Stowage and segregation (IMDG)    | : Protected from sources of heat For AEROSOLS with a maximum capacity of 1 litre: Category A. Segregation as for class 9 but 'Separated from' class 1 except division 1.4. For AEROSOLS with a capacity above 1 litre: Category B. Segregation as for the appropriate sub-division of class 2. For WASTE AEROSOLS: Category C. Clear of living quarters. Segregation as for the appropriate sub-division of class 2. |

### - 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

|                                   |                     |
|-----------------------------------|---------------------|
| Classification code (ADN)         | : 5F                |
| Special provisions (ADN)          | : 19, 327, 344, 625 |
| Limited quantities (ADN)          | : 1 L               |
| Excepted quantities (ADN)         | : E0                |
| Equipment required (ADN)          | : PP, EX, A         |
| Ventilation (ADN)                 | : VE01, VE04        |
| Number of blue cones/lights (ADN) | : 1                 |

### - Rail transport

|   |                      |
|---|----------------------|
| Classification code (RID)   | : 5F                 |
| Special provisions (RID)  | : 190, 327, 344, 625 |
| Limited quantities (RID)  | : 1L                 |
| Excepted quantities (RID)   | : E0                 |
| Packing instructions (RID)  | : P207, LP02         |
| Special packing provisions (RID)  | : PP87, RR6, L2      |
| Mixed packing provisions (RID)  | : MP9                |
| Transport category (RID)  | : 2                  |
| Special provisions for carriage – Packages (RID)                        | : W14                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW9, CW12          |
| Colis express (express parcels) (RID)                                   | : CE2                |
| Hazard identification number (RID)                                      | : 23                 |

# Fixatif HC10

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

### 14.7. 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

#### 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

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of R-, H- and EUH-statements:

|              |  |
|--------------|--|
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2                          |
| Flam. Gas 1  | Flammable gases, Category 1  |
| Flam. Liq. 2 | Flammable liquids, Category 2  |
| Flam. Liq. 3 | Flammable liquids, Category 3  |
| Press. Gas   | Gases under pressure   |
| STOT SE 3    | Specific target organ toxicity — Single exposure, Category 3, Narcosis |
| H220         | Extremely flammable gas  |
| H222         | Extremely flammable aerosol  |
| H225         | Highly flammable liquid and vapour                                     |
| H226         | Flammable liquid and vapour  |
| H229         | Pressurised container: May burst if heated                             |
| H319         | Causes serious eye irritation  |
| H336         | May cause drowsiness or dizziness                                      |
| R12          | Extremely flammable  |
| R36          | Irritating to eyes   |
| R66          | Repeated exposure may cause skin dryness or cracking                   |
| R67          | Vapours may cause drowsiness and dizziness                             |
| F+           | Extremely flammable  |
| Xi           | Irritant   |

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*