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MATERIAL SAFETY DATA SHEET

Revision Date: 16/04/2019

Transport/Fire Emergency: **000** (Emergency Services)
Medical Emergency: **131126** (Poisons information)

Sennelier Aerosol Fixative: Delacroix, Latour

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
PRODUCT NAME:	Sennelier Delacroix Aerosol Fixative 400ml Sennelier Latour Aerosol Fixative 400ml
OTHER NAMES:	Fixatif
APPLICATION OF SUBSTANCE:	Professional fine art use
MANUFACTURED BY:	MAX SAUER 2 Rue Lamarck CS30204 22000 SAINT-BRIEUC - France
CONTACT NUMBERS:	T +33 (0)2 96 68 20 00 F +33 (0)2 96 61 77 19 mail@raphael.fr
2. HAZARDOUS INFORMATION	
<p>In compliance with EC regulation No. 1272/2008 and its amendments. Aerosol, Category 1 (Aerosol 1, H222 - H229). Eye irritation, Category 2 (Eye Irrit. 2, H319). This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.</p> <p>Mixture for aerosol application.</p> <p>The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) \geq 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.</p>	
MANUFACTURER'S CODE:	N135267, N135277
UN NUMBER:	1950
DANGEROUS GOODS CLASS AND SUBSIDIARY RISK:	Class 2.1: Flammable aerosol
HAZCHEM CODE:	2YE
POISONS SCHEDULE NUMBER:	N/A
PACKAGING GROUP:	N/A
HAZARD CATEGORY:	2
CLASS:	Class 2: Gases

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ethanol BIS (50 ≤ x % < 100)

CAS: 64-17-5; EC: 200-578-6

(EC) 1272/2008: GHS07, GHS02; Dgr; Flam. Liq. 2, H225; Eye Irrit. 2, H319

Methanol (1 ≤ x % < 2.5)

INDEX: 603-001-00-X; CAS: 67-56-1; EC: 200-659-6

GHS02, GHS06, GHS08; Dgr; Flam. Liq. 2, H225; Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; STOT SE 1, H370

Propan-2-OL

INDEX: 603-117-00-0; CAS: 67-63-0; EC: 200-661-7 (1 ≤ x % < 2.5)

(EC) 1272/2008: GHS02, GHS07 Dgr; Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336

4. FIRST AID MEASURES

GENERAL:	As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.
INHALATION:	Remove person to fresh air and keep comfortable for breathing.
EYE CONTACT:	Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open. If there is any redness, pain or visual impairment, consult an ophthalmologist.
SKIN CONTACT:	Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. In the event of an allergic reaction, seek medical attention. If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.
INGESTION:	Do not give the patient anything orally. In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the person exposed at rest. Do not force vomiting. Seek medical attention immediately, showing the label. If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires. Water with AFFF (Aqueous Film Forming Foam) additive.
DO NOT USE:	Do not use a heavy water stream.
DEGREE OF FIRE RISK:	Extremely flammable aerosol. Pressurised container: May burst if heated. Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

5. FIRE FIGHTING MEASURES	
RECOMMENDATIONS:	<p>Keep packages near the fire cool, to prevent pressurised containers from bursting. Cool hot containers with water mist.</p> <p>A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke.</p> <p>Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.</p> <p>In the event of a fire, the following may be formed: carbon monoxide (CO); carbon dioxide (CO₂)</p>

6. ACCIDENTAL RELEASE MEASURES	
<p>Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area. Avoid any contact with the skin and eyes.</p> <p>Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.</p> <p>Prevent any material from entering drains or waterways.</p> <p>If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures Use drums to dispose of collected waste in compliance with current regulations.</p> <p>Clean preferably with a detergent, do not use solvents.</p>	

7. HANDLING AND STORAGE	
HANDLING:	<p>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. Pressurised 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.</p> <p>Do not spray on a naked flame or any incandescent material. Do not pierce or burn, even after use.</p> <p>Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.</p> <p>Keep packages tightly closed and away from sources of heat, sparks and naked flames. Do not use tools which may produce sparks.</p> <p>Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</p> <p>Prevent the formation of flammable or explosive concentrations in air and avoid vapour concentrations higher than the occupational exposure limits.</p>
STORAGE:	<p>Protect from sunlight. Do not expose to temperatures exceeding 50°C. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store in an upright position. Keep out of reach of children.</p> <p>The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.</p>

8. EXPOSURE CONTROL AND PERSONAL PROTECTION	
ENGINEERING MEASURES:	Ensure good ventilation.
<i>PERSONAL PROTECTION</i>	
RESPIRATORY PROTECTION:	In case of insufficient ventilation, wear suitable respiratory equipment

8. EXPOSURE CONTROL AND PERSONAL PROTECTION	
HAND PROTECTION:	<p>Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374. Gloves must be selected according to the application and duration of use at the workstation.</p> <p>Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.</p> <p>Type of gloves recommended :</p> <ul style="list-style-type: none"> - Butyl Rubber (Isobutylene-isoprene copolymer) <p>Recommended properties :</p> <ul style="list-style-type: none"> - Impervious gloves in accordance with standard EN374
EYE PROTECTION:	<p>Avoid contact with eyes.</p> <p>Use eye protectors designed to protect against liquid splashes</p> <p>Before handling, wear safety goggles with protective sides accordance with standard EN166.</p> <p>In the event of high danger, protect the face with a face shield.</p> <p>Prescription glasses are not considered as protection.</p> <p>Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.</p> <p>Provide eyewash stations in facilities where the product is handled constantly.</p>
SKIN PROTECTION:	<p>Avoid skin contact.</p> <p>Wear suitable protective clothing.</p> <p>Suitable type of protective clothing :</p> <p>In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.</p> <p>In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.</p> <p>Work clothing worn by personnel shall be laundered regularly.</p> <p>After contact with the product, all parts of the body that have been soiled must be washed.</p>

9. PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE:	Colourless gas spray
FLASH POINT:	N/A
BOILING POINT:	N/A
VAPOUR PRESSURE:	N/A
VAPOUR DENSITY:	1
SPECIFIC GRAVITY:	N/A
SOLUBILITY IN WATER:	Insoluble
MELTING POINT:	N/A

10. STABILITY AND REACTIVITY

Extremely flammable aerosol. Pressurised container: May burst if heated.
Stable under normal conditions.
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Avoid strong acids and strong bases.
Thermal decomposition generates fumes, nitrogen oxide, carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.
Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.
May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.
Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days. Splashes in the eyes may cause irritation and reversible damage
May cause an allergic reaction by skin contact.

Acute toxicity :
ESSENCE DE TÉRÉBENTHINE DE GEMME (CAS: 8006-64-2)
Oral route: LD50 > 3700 mg/kg; Species: Rat
Dermal route: LD50 > 2000 mg/kg; Species: Rabbit
Inhalation route (Vapours): LC50 = 13.7 mg/l; Species: Rat

No toxicological data available for the mixture.

12. ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.
The product must not be allowed to run into drains or waterways.
No aquatic toxicity data available for the mixture.

13. DISPOSAL CONSIDERATIONS

Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.
Do not pour into drains or waterways.
Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

14. TRANSPORT INFORMATION

Considered Dangerous Goods for transport purposes. Overland or sea transport only.
Proper shipping name: AEROSOLS
See section 2 for labelling information.
Limited quantities: 1L

15. REGULATORY INFORMATION

N/A

16. OTHER INFORMATION

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.

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H336 May cause drowsiness or dizziness.

H370 Causes damage to organs.