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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 Acrylic Varnish/Fixative

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
PRODUCT NAME:	Sennelier Aerosol Acrylic Varnish/Fixative
OTHER NAMES:	Vernis Fixatif Acrylique Fixatif HC10
APPLICATION OF SUBSTANCE:	Professional fine art aerosol varnish
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	
Signal word (CLP) Hazardous ingredients Hazard statements (CLP) GHS02 GHS07 : Danger Ethyl acetate, Acetone H222 - Extremely flammable aerosol H229 - Pressurised container: May burst if heated H319 - Causes serious eye irritation H336 - May cause drowsiness or dizziness P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P251 - Pressurized container: Do not pierce or burn, even after use P271 - Use only outdoors or in a well-ventilated area 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 P211 - Do not spray on an open flame or other ignition source	
MANUFACTURER'S CODE:	N135257
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

2. HAZARDOUS INFORMATION	
CLASS:	Class 2: Gases

3. COMPOSITION / INFORMATION ON INGREDIENTS	
<p>Dimethyl ether (30 - 50%) (CAS No) 115-10-6; (EC no) 204-065-8; (EC index no) 603-019-00-8; (REACH-no) 01- 2119472128-37 Classification: F+; R12; Flam. Gas 1, H220; Press. Gas</p> <p>2-methoxy-1-methylethyl acetate (10 - 30%) (CAS No) 108-65-6; (EC no) 203-603-9; (EC index no) 607-195-00-7; (REACH-no) 01- 2119475791-29 Classification: R10 ; Flam. Liq. 3, H226</p> <p>Ethyl acetate (10 - 30%) (CAS No) 141-78-6; (EC no) 205-500-4; (EC index no) 607-022-00-5; (REACH-no) 01- 2119475103-46 Classification: F; R11; Xi; R36; R66; R67; Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336</p> <p>Acetone (< 10%) (CAS No) 67-64-1; (EC no) 200-662-2; (EC index no) 606-001-00-8; (REACH-no) 01- 2119471330-49 Classification: F; R11; Xi; R36; R66; R67; Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336</p>	

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:	Foam. Carbon dioxide. Water haze.
DO NOT USE:	Do not use a heavy water stream.
DEGREE OF FIRE RISK:	Extremely flammable aerosol. Pressurised container: May burst if heated.

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>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 / liquid
FLASH POINT:	0°C
BOILING POINT:	0°C
VAPOUR PRESSURE:	N/A
VAPOUR DENSITY:	0.8 g/cm ³
SPECIFIC GRAVITY:	N/A
SOLUBILITY IN WATER:	Insoluble in water. soluble in most organic solvents.
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 carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Dimethyl ether (115-10-6)
LC50 inhalation rat (mg/l) ; 312 mg/l/4h

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

Ethyl acetate (141-78-6)
LD50 oral rat; > 2000 mg/kg
LD50 dermal rabbit; > 2000 mg/kg

Acetone (67-64-1)
LD50 oral rat; 5800 mg/kg
LD50 dermal rabbit; > 15800 mg/kg
LC50 inhalation rat (mg/l); ≈ 76 mg/l/4h

12. ECOLOGICAL INFORMATION

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

General:

Dimethyl ether (115-10-6)

LC50 fish 1; > 4000 mg/l

EC50 Daphnia 1; > 4000 mg/l

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

LC50 fish 1; > 100 mg/l

EC50 Daphnia 1; > 500 mg/l

ErC50 (algae); > 1000 mg/l

Ethyl acetate (141-78-6)

LC50 fish 1; > 100 mg/l

EC50 other aquatic organisms 1; > 100 mg/l

ErC50 (algae); > 100 mg/l

Acetone (67-64-1)

LC50 fish 1; 5540 - 11000 mg/l

EC50 Daphnia 1; 8800 mg/l

NOEC chronic algae; 430 mg/l

Persistence and degradability:

ethyl acetate (141-78-6)

Biodegradation; > 70 % OCDE 301 D 28 days

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

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

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

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.

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