



# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)
Issue date: 1/7/2021 Revision date: 1/7/2021 Supersedes version of: 4/11/2019 Version: 8.0

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

#### 1.1. Product identifier

Product form : Mixture

 Product name
 : SAVAPRENE 89 V

 UFI
 : 8TJ5-E0WW-F00R-R5RD

Product code : SP89V

#### 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 Use of the substance/mixture : Adhesives

#### 1.2.2. Uses advised against

No additional information available

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

LABORD GLUECOM FRANCE

ZA Les Loges Chemin des 50 Arpents 91180 Saint Germain Lès Arpajon - France T +33 (0) 160 855 200 reglementation@labord.com

### 1.4. Emergency telephone number

No additional information available

#### **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2

Skin corrosion/irritation, Category 2

H315

Serious eye damage/eye irritation, Category 2

H319

Specific target organ toxicity — Single exposure, Category 3, Narcosis

Hazardous to the aquatic environment — Chronic Hazard, Category 2

H411

Full text of H statements : see section 16

### Adverse physicochemical, human health and environmental effects

See below for route-specific details.

### 2.2. Label elements

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

Hazard pictograms (CLP)





GHS09

GHS02 GHS07

Signal word (CLP) : Danger

Contains : Ethyl acetate; Heptane

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Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness. H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P261 - Avoid breathing vapours.

P280 - Wear protective gloves, protective clothing, eye protection, face protection. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P370+P378 - In case of fire: Use foam, extinguishing powder, sand to extinguish. P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

EUH-statements : EUH208 - Contains Rosin, Disulfiram. May produce an allergic reaction.

# 2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions. This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
Ethyl acetate (141-78-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

# **SECTION 3: Composition/information on ingredients**

### 3.1. Substances

Not applicable

# 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyl acetate	(CAS-No.) 141-78-6 (EC-No.) 205-500-4 (EC Index-No.) 607-022-00-5 (REACH-no) 01-2119475103-46	< 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Heptane	(CAS-No.) 64742-49-0 (EC-No.) 927-510-4 (REACH-no) 01-2119475515-33	< 50	Flam. Liq. 3, H226 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Acetone substance with a Community workplace exposure limit	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	< 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Propyl acetate	(CAS-No.) 109-60-4 (EC-No.) 203-686-1 (EC Index-No.) 607-024-00-6	< 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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Hydrocarbons, C7-C8, cyclics	(EC-No.) 927-033-1 (REACH-no) 01-2119486992-20	< 10	Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Hydrocarbons, C6, isoalkanes, <5% n-hexane	(EC-No.) 931-254-9 (REACH-no) 01-2119484651-34	< 10	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Cyclohexane	(CAS-No.) 110-82-7 (EC-No.) 203-806-2 (EC Index-No.) 601-017-00-1	< 1	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
n-hexane	(CAS-No.) 110-54-3 (EC-No.) 203-777-6 (EC Index-No.) 601-037-00-0	< 1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Rosin	(CAS-No.) 8050-09-7 (EC-No.) 232-475-7 (EC Index-No.) 650-015-00-7	< 1	Skin Sens. 1, H317
Disulfiram	(CAS-No.) 97-77-8 (EC-No.) 202-607-8 (EC Index-No.) 006-079-00-8	< 0.25	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	(CAS-No.) 25068-38-6 (EC-No.) 500-033-5 (EC Index-No.) 603-074-00-8	<0,25	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

# SECTION 4: First aid measures

# 4.1. Description of first aid measures

First-aid measures after inhalation

: Move the affected person to the fresh air. Allow the victim to rest. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after skin contact : Gently wash with plenty of soap and water. Seek medical attention if ill effect or irritation

develops.

First-aid measures after eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do.

Continue rinsing. Ensure adequate flushing of eyes by separating eyelids with the fingers.

Take victim to an ophthalmologist if irritation persists.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth. Keep at rest. Seek medical advice (show the label

where possible).

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

No additional information available

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

Treat symptomatically.

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# **SECTION 5: Firefighting measures**

# 5.1. Extinguishing media

Suitable extinguishing media : Alcohol resistant foam. Carbon dioxide. Water spray. Dry powder.

Unsuitable extinguishing media : Strong water jet.

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

Fire hazard : Heavier than air, vapours may travel long distances along ground, ignite and flash back to

source.

Explosion hazard : May form flammable/explosive vapour-air mixture.

Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other

toxic gases.

#### 5.3. Advice for firefighters

Precautionary measures fire : No flames, no sparks. Eliminate all sources of ignition. Do not smoke.

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Apply water spray or fog to cool nearby equipment.

#### **SECTION 6: Accidental release measures**

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

General measures : No open flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Evacuate and limit access. Do not breathe vapours. 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

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

# 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Ventilate

spillage area. Use suitable disposal containers. Eliminate ignition sources.

Other information : Recover the cleaning water for later disposal.

### 6.4. Reference to other sections

Refer to sections 8 and 13 for more information.

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Do not get in eyes,

on skin, or on clothing. No open flames. No smoking. Take precautionary measures against static discharge. Provide proper grounding. Use only non-sparking tools.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures

: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when

leaving work. Do not eat, drink or smoke when using this product.

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# 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation. Proper grounding procedures to avoid

static electricity should be followed. Use only non-sparking tools.

Storage conditions : Keep container tightly closed. Use special care to avoid static electric charges. Store in dry,

cool, well-ventilated area. < Traduction manquante : />. See product bulletin for detailed

information.

Maximum storage period : ≈ 12 months
Packaging materials : Original packaging.

# 7.3. Specific end use(s)

Industrial.

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Acetone (67-64-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	1210 mg/m³
IOEL TWA [ppm]	500 ppm

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

# 8.1.5. Control banding

No additional information available

# 8.2. Exposure controls

# 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations.

### 8.2.2. Personal protection equipment

# 8.2.2.1. Eye and face protection

### Eye protection:

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

#### Skin and body protection:

Wear suitable protective clothing

#### Hand protection:

Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

#### 8.2.2.3. Respiratory protection

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#### Respiratory protection:

In case of vapour formation use adequate respirator. In case of insufficient ventilation, wear suitable respiratory equipment

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

#### Other information:

Do not eat, drink or smoke during use.

# **SECTION 9: Physical and chemical properties**

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

Physical state Liquid light yellow. Colour Odour Characteristic. Odour threshold Not available Not available Melting point Not available Freezing point Not available Boiling point Flammability : Not available **Explosive limits** : Not available Lower explosive limit (LEL) : Not available Upper explosive limit (UEL) : Not available Flash point : (Acetone : -18°C) Auto-ignition temperature : Not available Decomposition temperature : Not available : Not available Viscosity, kinematic : ≈ 1807.2 mm²/s Viscosity, dynamic : ≈ 1500 mPa·s Solubility : Insoluble in water. Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50 °C : Not available Density : ≈ 0.83 a/cm<sup>3</sup> : ≈ 0.83 Relative density Relative vapour density at 20 °C : Not available Particle size : Not applicable Particle size distribution : Not applicable Particle shape : Not applicable Particle aspect ratio Not applicable Particle aggregation state Not applicable Particle agglomeration state Not applicable Particle specific surface area : Not applicable

#### 9.2. Other information

Particle dustiness

### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Additional information : Dry-extract : 19 - 23 %

: Not applicable

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# SECTION 10: Stability and reactivity

# 10.1. Reactivity

Highly flammable liquid and vapour.

#### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

#### 10.3. Possibility of hazardous reactions

Vapour mixes readily with air, forming explosive mixtures.

#### 10.4. Conditions to avoid

Avoid the build-up of electrostatic charge. No flames, no sparks. Eliminate all sources of ignition. Heat. Overheating. Gel.

#### 10.5. Incompatible materials

Skin corrosion/irritation

Strong oxidizers. Strong reducing agents. Strong acids. Bases. Halogenated compounds. Alkali metals. Peroxides. Phosphorus. Amines.

#### 10.6. Hazardous decomposition products

Thermal decomposition generates: Carbon oxides (CO, CO2). Aldehydes. hydrocarbons. Organic acids. Hydrogen chloride. alcohols.

# SECTION 11: Toxicological information

# 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (OECD 401)
LD50 dermal rat	> 15800 mg/kg

Ethyl acetate (141-78-6)	
LD50 oral rat	5600 mg/kg
LD50 dermal rabbit	18000 mg/kg

Rosin (8050-09-7)	
LD50 oral rat	7600 mg/kg
LD50 dermal rat	> 2000 mg/kg

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

: Causes skin irritation.

STOT-single exposure : May cause drowsiness or dizziness.

Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

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Ethyl acetate (141-78-6)	
STOT-single exposure	May cause drowsiness or dizziness.
Premil accrete (400 CO 4)	
Propyl acetate (109-60-4)	
STOT-single exposure	May cause drowsiness or dizziness.
Heptane (64742-49-0)	
STOT-single exposure	May cause drowsiness or dizziness.
Hydrocarbons, C7-C8, cyclics	
STOT-single exposure	May cause drowsiness or dizziness.
Hydrocarbons, C6, isoalkanes, <5% n-hexane	
STOT-single exposure	May cause drowsiness or dizziness.
Cyclohexane (110-82-7)	
STOT-single exposure	May cause drowsiness or dizziness.
n-hexane (110-54-3)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure :	Not classified (Based on available data, the classification criteria are not met)
Disulfiram (97-77-8)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
n-hexane (110-54-3)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard :	Not classified (Based on available data, the classification criteria are not met)
SAVAPRENE 89 V	
Viscosity, kinematic	≈ 1807.2 mm²/s
11.2. Information on other hazards	

No additional information available

# SECTION 12: Ecological information

# 12.1. Toxicity

Hazardous to the aquatic environment, short-term

: Not classified (Based on available data, the classification criteria are not met)

Hazardous to the aquatic environment, long-term

: Toxic to aquatic life with long lasting effects.

(chronic)

Acetone (67-64-1)	
LC50 - Fish [1]	5540 mg/l/96h (Onchorhynchus mykiss)
EC50 - Crustacea [1]	8800 mg/l/48h (Daphnia magna)

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Ethyl acetate (141-78-6)	
LC50 - Fish [1]	230 mg/l/96h (Pimephales promelas)
EC50 - Crustacea [1]	717 mg/l/48h (Daphnia magna)
ErC50 algae	3300 mg/l/48h (Desmodesmus subspicatus)

Rosin (8050-09-7)	
LC50 - Fish [1]	> 1000 mg/l/96h (Danio rerio)
EC50 - Crustacea [1]	> 750 mg/l/48h (Daphnia magna)
ErC50 algae	> 1000 mg/l/72h (Pseudokirchneriella subcapitata)

# 12.2. Persistence and degradability

SAVAPRENE 89 V	
Persistence and degradability	Not established.

Ethyl acetate (141-78-6)	
Persistence and degradability	Readily biodegradable. 79 % biodegradation /20. days.

Reaction product: bisphenol-A- (epichlorhydrin) epoxy resin (number average molecular weight <= 700) (25068-38-6)	
Persistence and degradability	No data.

Rosin (8050-09-7)	
Persistence and degradability	Readily biodegradable.

# 12.3. Bioaccumulative potential

SAVAPRENE 89 V	
Bioaccumulative potential	Not established.

Ethyl acetate (141-78-6)	
BCF - Fish [1]	30

# 12.4. Mobility in soil

No additional information available

# 12.5. Results of PBT and vPvB assessment

# **SAVAPRENE 89 V**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

# 12.6. Endocrine disrupting properties

No additional information available

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# 12.7. Other adverse effects

Other adverse effects : None known

#### **SECTION 13: Disposal considerations**

# 13.1. Waste treatment methods

Product/Packaging disposal recommendations

European List of Waste (LoW) code

: Dispose in a safe manner in accordance with local/national regulations.

:  $08\ 04\ 09^*$  - waste adhesives and sealants containing organic solvents or other dangerous

substances

HP Code : HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin

irritation or damage to the eye.

# **SECTION 14: Transport information**

In accordance with ADR

# 14.1. UN number or ID number

UN-No. (ADR) : UN 1133

# 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ADHESIVES

Transport document description (ADR) : UN 1133 ADHESIVES, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS

# 14.3. Transport hazard class(es)

### ADR

Transport hazard class(es) (ADR) : 3
Danger labels (ADR) : 3



# 14.4. Packing group

Packing group (ADR) : II

#### 14.5. Environmental hazards

Dangerous for the environment : Yes

Other information : No supplementary information available

#### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 640C
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E2
Vehicle for tank carriage : FL
Transport category (ADR) : 2

Hazard identification number (Kemler No.) :
Orange plates :

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Tunnel restriction code (ADR) : D/E

# 14.7. Maritime transport in bulk according to IMO instruments

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:		
Reference code	Reference code Applicable on	
57.	Cyclohexane	

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 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**

Indication of changes:			
This sheet was updated (refer to the date at the top of this page).			
Section	Changed item	Change	Comments
1.1	Additional information	Added	<traduction :="" manquante=""></traduction>

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

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H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
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.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains Rosin, Disulfiram. May produce an allergic reaction.

Safety Data Sheet (SDS), EU

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.