

COLLE PNEUMATIQUE (TUBES 75 ML) - RP074310/320/330/340



SAFETY DATA SHEET
(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : COLLE PNEUMATIQUE (TUBES 75 ML)
Product code : RP074310/320/330/340.
UFI : 2TS0-K0XX-H008-A8KM

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

1.3. Details of the supplier of the safety data sheet

Registered company name : SOROMAP PEINTURES VERNIS.
Address : 1, RUE MAURICE MALLET Z.I. DE BELIGON.17300.ROCHEFORT SUR MER.FRANCE.
Telephone : 05.46.88.36.10. Fax : 05.46.88.36.15.
contact@soromap.com
www.soromap.com

1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Flammable liquid, Category 2 (Flam. Liq. 2, H225).
Repeated exposure may cause skin dryness or cracking (EUH066).
Eye irritation, Category 2 (Eye Irrit. 2, H319).
Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).
This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS02



GHS07

Signal Word :

DANGER

Product identifiers :

EC 200-662-2 ACETONE
EC 201-159-0 BUTANONE
EC 205-500-4 ETHYL ACETATE

Hazard statements :

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements - General :	
P101	If medical advice is needed, have product container or label at hand.
Precautionary statements - Prevention :	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...
Precautionary statements - Response :	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/... if you feel unwell.
Precautionary statements - Disposal :	
P501	Dispose of contents/container by approved organization

2.3. Other hazards

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 fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances $\geq 0.1\%$ with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

N/A

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 67-64-1 EC: 200-662-2 REACH: 01-2119471330-49 ACETONE	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066	[1]	50 \leq x % < 100
CAS: 78-93-3 EC: 201-159-0 REACH: 01-2119457290-43-xxxx BUTANONE	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066	[1]	10 \leq x % < 25
CAS: 141-78-6 EC: 205-500-4 ETHYL ACETATE	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066	[1]	10 \leq x % < 25
CAS: 108-88-3 EC: 203-625-9 REACH: 01-2119471310-51 TOLUENE	GHS07, GHS08 Dgr Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361d STOT RE 2, H373 Aquatic Chronic 3, H412	[1] [2]	0 \leq x % < 2.5

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 67-64-1 EC: 200-662-2 REACH: 01-2119471330-49 ACETONE		inhalation: ATE = 76 mg/l 4h (vapours) dermal: ATE = 7426 mg/kg BW oral: ATE = 5800 mg/kg BW
CAS: 78-93-3 EC: 201-159-0 REACH: 01-2119457290-43-xxxx BUTANONE		inhalation: ATE = 23.5 mg/l 4h (vapours) dermal: ATE = 6400 mg/kg BW oral: ATE = 4000 mg/kg BW
CAS: 141-78-6 EC: 205-500-4 ETHYL ACETATE		dermal: ATE = 20000 mg/kg BW oral: ATE = 4100 mg/kg BW
CAS: 108-88-3 EC: 203-625-9 REACH: 01-2119471310-51 TOLUENE		inhalation: ATE = 28.1 mg/l 4h (vapours) dermal: ATE = 12124 mg/kg BW oral: ATE = 5580 mg/kg BW

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures**In the event of exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of splashes or contact with eyes :

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.

In the event of splashes or contact with skin :

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.

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.

In the event of swallowing :

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, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO₂)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

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SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged: always ground when decanting. Wear antistatic shoes and clothing and make floors of non-conductive

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid skin and eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

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.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m ³ :	VME-ppm :	VLE-mg/m ³ :	VLE-ppm :	Notes :
67-64-1	1210	500	-	-	-
78-93-3	600	200	900	300	-

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141-78-6	734	200	1468	400	-
108-88-3	192	50	384	100	Peau

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
67-64-1		500 ppm 1200 mg/m ³		2(I)
78-93-3		200 ppm 600 mg/m ³		1(I)
141-78-6		200 ppm 730 mg/m ³		2(I)
108-88-3		50 ppm 190 mg/m ³		2(II)

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
67-64-1	500	1210	1000	2420	-	84
78-93-3	200	600	300	900	*	84
141-78-6	200	734	400	1468	-	84
108-88-3	20	76.8	100	384	R2. *	4bis.84

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-64-1	500 ppm 1210 mg/m ³	1500 ppm 3620 mg/m ³			
78-93-3	200 ppm 600 mg/m ³	300 ppm 899 mg/m ³		Sk. BMGV	
141-78-6	200 ppm 734 mg/m ³	400 ppm 1468 mg/m ³			
108-88-3	50 ppm 191 mg/m ³	100 ppm 384 mg/m ³		Sk	

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

TOLUENE (CAS: 108-88-3)

Final use:Exposure method:
Potential health effects:
DNEL :Exposure method:
Potential health effects:
DNEL :Exposure method:
Potential health effects:
DNEL :Exposure method:
Potential health effects:
DNEL :Exposure method:
Potential health effects:
DNEL :**Final use:**Exposure method:
Potential health effects:**Workers.**Dermal contact.
Long term systemic effects.
384 mg/kg body weight/dayInhalation.
Short term systemic effects.
384 mg of substance/m³Inhalation.
Short term local effects.
384 mg of substance/m³Inhalation.
Long term systemic effects.
192 mg of substance/m³Inhalation.
Long term local effects.
192 mg of substance/m³**Consumers.**Ingestion.
Long term systemic effects.

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DNEL :	8.13 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	226 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.
DNEL :	226 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Short term local effects.
DNEL :	226 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	56.5 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	56.5 mg of substance/m3

ETHYL ACETATE (CAS: 141-78-6)

Final use:

Exposure method:	Workers. Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	63 mg/kg body weight/day

Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.
DNEL :	1468 mg of substance/m3

Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.
DNEL :	1468 mg of substance/m3

Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	734 mg of substance/m3

Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	734 mg of substance/m3

Final use:

Exposure method:	Consumers. Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	4.5 mg/kg body weight/day

Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	37 mg/kg body weight/day

Exposure method:	Inhalation.
Potential health effects:	Short term systemic effects.

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DNEL : 734 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Short term local effects.
DNEL : 734 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 367 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 367 mg of substance/m3

BUTANONE (CAS: 78-93-3)

Final use:

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 1161 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 600 mg of substance/m3

Final use:

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 31 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 412 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 106 mg of substance/m3

ACETONE (CAS: 67-64-1)

Final use:

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 186 mg/kg body weight/day

Final use:

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 62 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 62 mg/kg body weight/day

Predicted no effect concentration (PNEC):

TOLUENE (CAS: 108-88-3)

Environmental compartment: Soil.

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PNEC :	2.89 mg/kg
Environmental compartment: PNEC :	Fresh water. 0.68 mg/l
Environmental compartment: PNEC :	Sea water. 0.68 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 0.68 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 16.39 mg/kg
Environmental compartment: PNEC :	Marine sediment. 16.39 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 13.61 mg/l
ETHYL ACETATE (CAS: 141-78-6)	
Environmental compartment: PNEC :	Soil. 0.148 mg/kg
Environmental compartment: PNEC :	Fresh water. 0.24 mg/l
Environmental compartment: PNEC :	Sea water. 0.024 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 1.65 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 1.15 mg/kg
Environmental compartment: PNEC :	Marine sediment. 0.115 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 650 mg/l
BUTANONE (CAS: 78-93-3)	
Environmental compartment: PNEC :	Soil. 22.5 mg/kg
Environmental compartment: PNEC :	Fresh water. 55.8 mg/l
Environmental compartment: PNEC :	Sea water. 55.8
Environmental compartment: PNEC :	Intermittent waste water. 55.8 mg/l
Environmental compartment:	Fresh water sediment.

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PNEC :	284.74 mg/kg
Environmental compartment: PNEC :	Marine sediment. 284.7 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 709 mg/l
ACETONE (CAS: 67-64-1)	
Environmental compartment: PNEC :	Soil. 29.5 mg/kg
Environmental compartment: PNEC :	Fresh water. 10.6 mg/l
Environmental compartment: PNEC :	Sea water. 1.06 mg/l
Environmental compartment: PNEC :	Intermittent waste water. 21 mg/l
Environmental compartment: PNEC :	Fresh water sediment. 30.4 mg/kg
Environmental compartment: PNEC :	Marine sediment. 3.04 mg/kg
Environmental compartment: PNEC :	Waste water treatment plant. 100 mg/l

8.2. Exposure controls**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

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.

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Type of gloves recommended :

- PVA (Polyvinyl alcohol)
- Butyl Rubber (Isobutylene-isoprene copolymer)

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid inhaling vapors.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****Physical state**

Physical state : Viscous liquid.

Colour

colour : N/A

Odour

Odour threshold : Not stated.

Melting point

Melting point/melting range : Not specified.

Freezing point

Freezing point / Freezing range : Not stated.

Boiling point or initial boiling point and boiling range

Boiling point/boiling range : 56°C

Flammability

Flammability (solid, gas) : Not stated.

Lower and upper explosion limit

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

Flash point

Flash Point : -15.00 °C.

Auto-ignition temperature

Self-ignition temperature : 427 °C.

Decomposition temperature

Decomposition point/decomposition range : Not specified.

pH

pH : Not relevant.

pH (aqueous solution) : Not stated.

Kinematic viscosity

Viscosity : 2800 - 3200 cP (Brookfield)

Solubility

Water solubility : Partially soluble.

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Fat solubility :	Not stated.
Partition coefficient n-octanol/water (log value)	
Partition coefficient: n-octanol/water :	Not stated.
Vapour pressure	
Vapour pressure (50°C) :	Below 110 kPa (1.10 bar).
Density and/or relative density	
Density :	0.849
Relative vapour density	
Vapour density :	Not stated.
9.2. Other information	
VOC (g/l) :	705.28
% VOC :	83.04
9.2.1. Information with regard to physical hazard classes	
No data available.	
9.2.2. Other safety characteristics	
No data available.	

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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.

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

Narcotic effects may occur, such as drowsiness, narcosis, decreased alertness, loss of reflexes, lack of coordination or dizziness.

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Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory disturbance.

11.1.1. Substances**Acute toxicity :**

TOLUENE (CAS: 108-88-3)

Oral route :

LD50 = 5580 mg/kg

Species : Rat

Dermal route :

LD50 = 12124 mg/kg

Species : Rat

Inhalation route (Vapours) :

LC50 = 28.1 mg/l

Duration of exposure : 4 h

ETHYL ACETATE (CAS: 141-78-6)

Oral route :

LD50 = 4100 mg/kg

Species : Rat

Dermal route :

LD50 = 20000 mg/kg

Species : Rabbit

Inhalation route (Vapours) :

LC50 > 20 mg/l

BUTANONE (CAS: 78-93-3)

Oral route :

LD50 = 4000 mg/kg

Species : Rat

Dermal route :

LD50 = 6400 mg/kg

Species : Rabbit

Inhalation route (Vapours) :

LC50 = 23.5 mg/l

Species : Rat

Duration of exposure : 4 h

ACETONE (CAS: 67-64-1)

Oral route :

LD50 = 5800 mg/kg

Species : Rat

Dermal route :

LD50 = 7426 mg/kg

Species : Rabbit

Inhalation route (Vapours) :

LC50 = 76 mg/l

Species : Rat

Duration of exposure : 4 h

11.1.2. Mixture**Skin corrosion/skin irritation :**

N/A

Serious damage to eyes/eye irritation :

N/A

11.2. Information on other hazards**Monograph(s) from the IARC (International Agency for Research on Cancer) :**

CAS 108-88-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

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SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

TOLUENE (CAS: 108-88-3)

Fish toxicity :

LC50 = 13 mg/l

Species : *Carassius auratus*

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 11.5 mg/l

Species : *Daphnia magna*

Duration of exposure : 48 h

ETHYL ACETATE (CAS: 141-78-6)

Fish toxicity :

LC50 = 230 mg/l

Species : *Pimephales promelas*

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 717 mg/l

Species : *Daphnia magna*

Duration of exposure : 48 h

Algae toxicity :

ECr50 = 3300 mg/l

Species : *Scenedesmus subspicatus*

Duration of exposure : 48 h

BUTANONE (CAS: 78-93-3)

Fish toxicity :

LC50 = 3220 mg/l

Species : *Pimephales promelas*

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 5081 mg/l

Species : *Daphnia magna*

Duration of exposure : 48 h

Algae toxicity :

ECr50 = 4300 mg/l

Species : *Scenedesmus quadricauda*

Duration of exposure : 96 h

ACETONE (CAS: 67-64-1)

Fish toxicity :

LC50 = 5540 mg/l

Species : *Oncorhynchus mykiss*

Duration of exposure : 96 h

Crustacean toxicity :

EC50 = 8800 mg/l

Species : *Daphnia pulex*

Duration of exposure : 48 h

Algae toxicity :

ECr50 = 3400 mg/l

Species : *Chlorella pyrenoidosa*

Duration of exposure : 48 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

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12.2. Persistence and degradability**12.2.1. Substances**

ACETONE (CAS: 67-64-1)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

TOLUENE (CAS: 108-88-3)

Five-day biochemical oxygen demand : DBO5 2.5 g/g

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

ETHYL ACETATE (CAS: 141-78-6)

Chemical oxygen demand : DCO = 1.69

Five-day biochemical oxygen demand : DBO5 = 1.36

Biodegradability : Rapidly degradable.
DBO5/DCO = 0.80

BUTANONE (CAS: 78-93-3)

Chemical oxygen demand : DCO = 2.31

Five-day biochemical oxygen demand : DBO5 = 2.03

Biodegradability : Rapidly degradable.
DBO5/DCO = 0.88**12.3. Bioaccumulative potential****12.3.1. Substances**

TOLUENE (CAS: 108-88-3)

Octanol/water partition coefficient : log K_{ow} = 2.73

Bioaccumulation : BCF = 90

ETHYL ACETATE (CAS: 141-78-6)

Octanol/water partition coefficient : log K_{ow} = 0.73

Bioaccumulation : BCF = 30

BUTANONE (CAS: 78-93-3)

Octanol/water partition coefficient : log K_{ow} = 0.29

Bioaccumulation : BCF = 3

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

COLLE PNEUMATIQUE (TUBES 75 ML) - RP074310/320/330/340**German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :**

WGK 1 : Slightly hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

14.1. UN number or ID number

1133

14.2. UN proper shipping name

UN1133=ADHESIVES containing flammable liquid

14.3. Transport hazard class(es)

- Classification :



3

14.4. Packing group

III

14.5. Environmental hazards

-

14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	III	3	-	5 L	-	E1	3	E

Q < 450 l (ADR 2.2.3.1.4)

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	3	-	III	5 L	F-E. S-D	223 955	E1	Category A	-

if Q < 450 l see IMDG 2.3.2.2.

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	355	60 L	366	220 L	A3	E1
	3	-	III	Y344	10 L	-	-	A3	E1

Q < 30 l / Q < 100 l (IATA 3.3.3.1.1)

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

- Container information:

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):
<https://echa.europa.eu/substances-restricted-under-reach>.

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :

WGK 1 : Slightly hazardous for water.

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure .
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Abbreviations :

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

ATE : Acute Toxicity Estimate

BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

CMR: Carcinogenic, mutagenic or reprotoxic.

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

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TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS02 : Flame

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.