

Safety Data Sheet

According to Directives 91/155/CEE- 2001/58/CE – ISO 11014-1

MEDLORE
43, bd de la Barnière
13010 Marseille

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1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/FIRM

Identification of the substance or preparation : Name: **SOLUSCOPE P**
Product code: 1241000

Company/undertaking identification : SOLUSCOPE
43, bd de la Barnière - 13010 MARSEILLE - FRANCE
Tél : + 33 (0)4 91 83 21 22
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Emergency phone number : + 33 (0)1 45 42 59 59.

Association/Organism: INRS

Use of the substance/Preparation : **Endoscope Disinfection.**
To be used mixed with SOLUSCOPE A (direct dilution of both products within the SOLUSCOPE machine)

2 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 2 : see section 16.

Hazardous substances present on their own (present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state) :

CAS	N°CE	N° Index	Chemical name	Concentration	Symbol	Phrases R
7722-84-1	231-765-0	008-003-00-9	HYDROGEN PEROXIDE	>=10.00% et <25.00%	C	34
79-21-0	201-186-8	607-094-00-8	PERACETIC ACID	>=2.50% et <10.00%	C N O	7-10-20/21/22-35-50

Other substances representing a hazard :

64-19-7	200-580-7	607-002-00-6	ACETIC ACID	>=10.00% et <25.00%	C	10-35
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Substances present at a concentration below the minimum danger threshold : No known substance in this category present.

Other substances with occupational exposure limits : No known substance in this category present.

Other components : None

3 - IDENTIFICATION OF HAZARDS

Specific risks : This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

This product is classed : Oxidizing. May cause fire

Other risks : Possibility of corrosive effects.

Other data : In water the solution is a strong acid, which reacts violently with bases and is corrosive.
Risk of decomposition if in contact with decomposition catalysts, alkalis, reducing agents, flammable products.
The product is an oxidizing reactive agent. Risk of decomposition when heated.

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4 - FIRST AID MEASURES

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

NEVER induce swallowing in an unconscious person.

Reminder : any unconscious person must be placed in the lateral recovery position.

In the event of exposure by inhalation :

Move the person away from the place of exposure and take him/her outside.

In the event of respiratory problems (e.g. heavy coughing):

Put the person in a half-seated position, with the torso raised ; keep the person warm and calm.

Call a doctor immediately.

In the event of splashes or contact with eyes:

Wash thoroughly with soft clean water for 15 minutes, holding the eyelids open.

Additional treatment to be provided immediately in an eye clinic or by an ophthalmologist.

Continue rinsing until medical advice is obtained.

In the event of splashes or contact with skin :

Remove all contaminated or stained clothing immediately. Do not use them again until they have been decontaminated.

Wash the skin thoroughly with soap and water or a recognised cleaner.

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 :

If swallowed accidentally, do not allow to drink, do not induce vomiting and transfer to hospital immediately by ambulance. Show the label to the doctor.

Due to gaz release and foam formation, risk of product penetration in lung (aspiration hazard) in case of ingestion or vomiting.

5 - FIRE-FIGHTING MEASURES

Move any flammable materials away from the fire.

In case of a fire, if it is possible without risk, remove all containers exposed to the fire and store them in a safe place, away from any source of heat.

Spray water to cool down surfaces exposed to fire and to protect the personnel.

In case of peripheral fire, there is a risk of decomposition with oxygen release which would favor combustion.

Suitable extinguishing media :

Water spray, foam, dry powder and carbon dioxide.

Extinguishing media which must not be used for safety reasons :

Organic compounds.

Special protective equipment for fire-fighters :

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Full protective suit

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions :

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.

Keep away any unprotected person.

Move all flammable sources out of danger and keep them away from the scene.

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.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

DO NOT hermetically seal any defective containers, including drums (risk of bursting due to the decomposition of the product).

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Methods for cleaning up : Neutralize with an alkaline decontaminant, such as an aqueous solution of sodium carbonate or similar

If the ground is contaminated, once the product has been recovered by sponging with an inert and non-combustible absorbent material, wash the contaminated area in plenty of water.

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

DO NOT use textiles, sawdust or combustible materials

Do NOT put any spilt product back into its original container with the intention of re-using it.

For small quantities, dilute the product with large quantities of water and rinse away.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling : Product for external use - do not swallow.
Avoid all contact with skin, eyes and clothes.
Do not breathe in the vapors, aerosols, spray mists.
Close the container carefully after use.
Risk of overpressure and bursting in the event of decomposition in closed containers and in pipes.

Fire prevention : Prevent access by unauthorized personnel.
Keep away from sources of ignition - no smoking.
Keep away from flammable materials

Recommended equipment and procedures : For personal safety, see §8.
Observe precautions stated on label and also industrial safety regulations
Product must not come into contact with the skin and eyes
Provide safety showers and eye washes in workshops where the product is handled constantly
Change any contaminated or wet work clothes immediately.
Ensure room is well ventilated.

Prohibited equipment and procedures : Smoking, eating and drinking are prohibited in premises where the preparation is used
Never open the packages under pressure

Storage : Keep the container tightly closed in a dry place.
Do not use after the expiry date mentioned on the packaging.
Keep in the original container only, in a cool and well-ventilated place, out of the light and away from combustible materials and reducing agents (amines), acids, bases, heavy metal compounds (accelerators, siccative agents, metallic salts)
Always transport and store the containers upright.
Store on an acid-resistant floor.
Recommended storage temperature: from +5°C to +25°C.
Keep out of the reach of children

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures : Ensure the rooms are well-ventilated (Art. R. 232-5 to R. 235-14 / Labor Code). Atmospheric concentrations at the workplace must not exceed the limit values given for normal conditions of use.

Exposure limit values per INRS ND 2098-174-99 and ND 2114-176-99 :

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
79-21-0	-	-	-	-	-	-
64-19-7	-	-	10	25	-	-
7722-84-1	1	1,5	-	-	-	-

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Germany	Class:	MAK-ppm:	MAK-mg/m3:	Notes:	Notes:	
79-21-0	-	-	-	3		
64-19-7	I	10	25	-		
7722-84-1	I	1	1,4	-		
ACGIH(TLV)	TWA-ppm:	TWA-mg/m3:	STEL-ppm:	STEL-mg/m3:	Notes:	Notes:
79-21-0	-	-	-	-	-	-
64-19-7	10	25	15	37	-	S
7722-84-1	1	1,4	-	-	-	-

Exposure limit values per 2000/39/EC and 98/24/EC:

Exposure limit values (2003):

UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64-19-7	10 ppm	15 ppm	-	-	-
7722-84-1	1 ppm	2 ppm	-	-	-

Respiratory protection :	In case of insufficient ventilation, wear an appropriate breathing apparatus.
Hand protection :	Where there is a risk of contact with the hands, suitable gloves must be used Gloves must be replaced immediately if they show signs of wear and tear. Polychloroprene gloves (CR) are recommended. Do not use nitrile type gloves.
Eye and face protection :	Avoid contact with the skin and eyes Provide personnel with gloves, face masks and safety goggles. Provide eye washes in workshops where the product is constantly handled
Skin protection :	Wear suitable protective clothing, in particular an apron and boots. These items must be kept in good condition and cleaned after use. For further information, see § 11 of S.D.S. - Toxicological information.
HEALTH MEASURES :	Do not eat, drink or smoke during use. Wash hands each time after handling. After each use, systematically wash all personal protective equipment. Change wet and dirty work clothes immediately.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Density:	> 1
Acid/base character of preparation	strongly acidic
Solubility of preparation in water	Soluble
Vapor tension at 50°C of volatile constituents	not specified
Physical state	fluid liquid
pH pure product:	< 2
Color	colorless
Odor	typical of acetic acid
Self-ignition temperature	not specified
Decomposition temperature	not specified
Melting temperature interval	not specified
Average distillation temperature of solvents contained	not specified
Flash point:	80.0 °C
Other data :	Oxidizing agent Oxidizing substance

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10 - STABILITY AND REACTIVITY

This preparation is reactive and may cause a fire

The product is a reactive oxidizing agent. Risk of decomposition if heated.

The preparation is stable under the recommended storage conditions (cf. § 7).

Conditions to avoid : Do not mix with other products.

Avoid exposure to heat

Materials to avoid: Decomposition catalysts, alkalis, reducing agents, iron, galvanized steels, soft steels, non ferrous metal, aluminum: possible dangerous reaction (product decomposition with release of hydrogen and oxygen).

Flammable products or materials: possible dangerous reaction (spontaneous combustion).

Organic solvents: possible dangerous reaction (risk of explosion).

Organic materials: wood, papers, greases...

Hazardous decomposition products : At high temperatures, dangerous decomposition products may be produced, such as fumes, carbon dioxide and carbon monoxide, nitrogen oxide.

11 - TOXICOLOGICAL INFORMATION

It is generally agreed that substances contained are likely to cause tissue damage in less than four hours after application to the healthy, unbroken skin of an animal.

In the event of exposure by inhalation: Sore throat, coughing, shortness of breath, respiratory failure

Inhalation may lead to irritation of the respiratory tracts.

Possibility of formation of a toxic pulmonary oedema in the event of prolonged respiration of the product.

In the event of swallowing: The symptoms are: burns to the upper digestive and respiratory tracts, abdominal pain, vomiting of blood, serious lesions of fragile tissue and risk of perforation.

In the event of splashes or contact with skin: Severe skin irritation, burns, redness, dermatitis, necrosis of tissue.

In the event of splashes or contact with eyes: Burns, characterized by discomfort or pain, excessive blinking, watering and redness, swelling of the conjunctiva.

Other data: Dermal irritation/corrosion test in the rabbit (OECD 404) of the mixture SOLUSCOPE P and A (aqueous solution - 1.2% each):

The preparation appears non irritating to skin.

Eye irritation/corrosion test in the rabbit (OECD 405) of the mixture SOLUSCOPE P and A (aqueous solution - 1.2% each):

The preparation appears non irritating to eyes.

12 - ECOLOGICAL INFORMATION

The product must not be allowed to run into drains or waterways.

Persistence and degradability: This product is degradable in water - decomposition in acetic acid, water and oxygen.

Acetic acid is easily biodegradable.

Ecotoxicity: The preparation contains a substance which is very toxic to aquatic organisms, in concentration below the threshold inducing its classification.

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13 - DISPOSAL CONSIDERATIONS

Do not pour into waterways.

Do not pour large quantities of the product (pure or diluted) into the drains.

Waste: Recycle or discard in accordance with the legislation in force, preferably by a collector or an approved company.

Do not contaminate the ground or the water with waste; do not discard waste into the environment.

Soiled packaging: Completely empty the container. Keep the label(s) on the container.

Hand over to an approved disposal contractor.

Codes of wastes (Decision 2001/573/EC, Directive 75/442/EEC, Directive 91/689/EEC on hazardous waste) : 20 01 14 * acids

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

UN3149 = HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABIUSED
with acid(s), water and not more than 5 % peroxyacetic acid

ADR/RID	Class	Code	Pack gr.	Label	Ident.	QL	Provis.		
	5.1	OC1	II	5.1+8	58	LQ10	196-553		
IMDG	Class	2° Label	Pack gr.	QL	EMS	Provis.			
	5.1	8	II	1 L	F-H,S-Q	196			
IATA	Class	2° Label	Pack gr.	Passenger	Passenger	Cargo	Cargo	note	
	5.1	8	II	501	1 L	506	5 L	A96	
	5.1	8	II	Y501	0.5 L	-	-	-	

15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2001/59/EC with the 28° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.

Preparation classification :



Corrosive



Oxidizing

Contains: 008-003-00-9 HYDROGEN PEROXIDE
607-002-00-6 ACETIC ACID
607-094-00-8 PERACETIC ACID

Particular hazards associated with the preparation and safety recommendations:

- R 34 Causes burns.
R 7 May cause fire.
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/39 Wear suitable protective clothing, gloves and eye/ face protection.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 14 Keep away from decomposition catalysts, alkalis, reducing agents and flammable products.
S 3/7 Keep container tightly closed in a cool place.
S 27 Take off immediately all contaminated clothing.
S 2 Keep out of reach of children.

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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.

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 given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

It is recommended that the information contained in this safety data sheet is provided to the users, if necessary in an appropriate form.

This information relates to the specifically designated product and may not be valid in combination with any other product. The product must not be used for applications other than those specified in heading 1 without having first obtained written handling instructions.

Full text of risk phrases appearing in section 2 :

R 10	Flammable.
R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 34	Causes burns.
R 35	Causes severe burns.
R 50	Very toxic to aquatic organisms.
R 7	May cause fire.